

April 1, 2023

CURRICULUM VITAE
AUDREY R. TYRKA, M.D., Ph.D.

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EDUCATION

Undergraduate **B.A.**, Summa Cum Laude, 1988. State University of New York
College at Purchase, Purchase, NY
Major: Psychology
*Honors Thesis Advisors: Katherine Halmi, M.D., Ronnie Halperin
Ph.D.*

Post-
Baccalaureate Premedical Certificate Program, 1989-1992
Columbia University, New York, NY

Research Intern, Cornell University Medical College, 1988-1992
Developmental Laboratory Manager, 1989-1992,
Edward Bourne Behavioral Research Laboratory
Cornell University Medical College
Advisor: Gerard P. Smith, M.D.

Medical School **M.D.**, 1999. University of Pennsylvania School of Medicine,
Philadelphia, PA, (combined M.D.-Ph.D. program, 1992-1999)

Graduate School **M.Phil.**, 1993. University of Pennsylvania, Philadelphia, PA,
Department: Psychology
Advisor: Tyrone Cannon, PhD
Medical Scientist Training Program (MSTP) Scholar

Ph.D., 1999. University of Pennsylvania, Philadelphia, PA
Department: Psychology
Advisors: Ingrid Waldron, PhD, Jeanne Brooks-Gunn, PhD
National Research Service Award (F30) Scholar

POSTGRADUATE TRAINING

Residency: Resident in Psychiatry, Brown University School of Medicine,
Providence, RI, 1999-2003

Research Training at the Laboratory for Clinical Neuroscience and Mood Disorders Research Program, Butler Hospital and Brown University, 2001-2003

Mentor: Lawrence H. Price, M.D.

PREDOCTORAL FELLOWSHIPS

- 1993-1994 *Medical Scientist Training Program (MSTP), National Institute of General Medical Sciences, University of Pennsylvania. This competitive program is administered by the institution and provides full scholarship funding for combined M.D./Ph.D. students.*
- 1994-1999 *F30 National Research Service Award (NRSA 5 F30 MH10819), National Institute of Mental Health. This pre-doctoral fellowship award provided full scholarship funding, replacing the MSTP and opening the MSTP position for another student.*

PREDOCTORAL HONORS AND AWARDS

- 1988 *B.A., Summa Cum Laude*
State University of New York, College at Purchase
- 1988 *Award for Outstanding Undergraduate Research*
State University of New York, College at Purchase
- 1994 *Robert M. Toll Psychiatry Research Prize*
University of Pennsylvania School of Medicine
- 1999 *Rock Sleyster Memorial Scholarship*
American Medical Association
- 1999 *Kenneth E. Appel Psychiatry Award*
University of Pennsylvania School of Medicine

POSTGRADUATE HONORS AND AWARDS

- 2002 *Laughlin Fellowship Recipient*
The American College of Psychiatrists
- 2002 *First Prize, Resident Research*
Sixth Annual Research Symposium, Department of Psychiatry and Human Behavior, Brown School of Medicine

- 2003 *Participant and Travel Award Recipient*
American Psychiatric Association Research Colloquium for Junior Investigators
- 2003 *NIMH K23 Mentored Patient-Oriented Research Career Development Award*
- 2003 *Janssen Psychiatry Resident Award of Excellence*
- 2003 *Young Investigator Award*
National Alliance for Research on Schizophrenia and Depression (NARSAD)
- 2003 *Faculty Development Award in Psychopharmacology*
Janssen Pharmaceutica
- 2003 *Clinical Research Loan Repayment Program*
National Institutes of Health (NIH)
- 2004 *Young Investigator Travel Award*
American College of Neuropsychopharmacology (ACNP)
- 2005 *Future Leaders in Psychiatry Symposium Travel Award*
- 2007-2009, 2011-2012, 2015-2016 Citation, *Best Doctors in America* (Best Doctors, Inc)
- 2007 *Outstanding Teaching Award* in General Psychiatry
Department of Psychiatry and Human Behavior
Warren Alpert Medical School of Brown University
- 2009 *Gerald L. Klerman Award*
The Depression and Bipolar Support Alliance (DBSA)
- 2009 *Invited Panel Presenter*, Depression and Bipolar Disorder: Ask the Expert, Depression and Bipolar Support Alliance National Conference
- 2010 *Invited Speaker*, NIMH Workshop: Child Maltreatment and Trauma: Integrating Biological, Cognitive and Social Trajectories of Development
- 2016 *Psychiatry Research Mentor Award*
Department of Psychiatry and Human Behavior
Warren Alpert Medical School of Brown University

- 2018 *Invited Speaker*, Inaugural Stress and Aging Summit
Vrije Universiteit Amsterdam, Netherlands
- 2018 *Psychiatry Education Award*, Department of Psychiatry and Human
Behavior Warren Alpert Medical School of Brown University
- 2019 *Honored Speaker*, Annual Women in Science and Medicine Career
Lecture, McLean Hospital
- 2019 *Visiting Professor*, Pontificia Universidade Catolica do Rio Grande
do Sul, Brazil
- 2019 *Invited Speaker*, Stockholm Psychiatry Lectures Series, Karolinska
Institute, Stockholm, Sweden
- 2021-2022 *Fellow*, Executive Leadership in Academic Medicine (ELAM),
Institute for Women's Health and Leadership, Drexel University
College of Medicine
- 2022 *Faculty Mentoring Award*, Warren Alpert Medical School of Brown
University, Department of Psychiatry and Human Behavior

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

- 2000 *Diplomate*, National Board of Medical Examiners
- 2003 *Licensed Medical Doctor*, Board of Medical Licensure and
Discipline, State of Rhode Island and Providence Plantations
- 2004, 2014 *Diplomate*, American Board of Psychiatry and Neurology

ACADEMIC APPOINTMENTS

- 2003-2012 *Assistant Professor*, Research Scholar Track, Department of
Psychiatry and Human Behavior, Brown Alpert Medical School,
7/03-7/12
- 2012-2015 *Associate Professor*, Research Scholar Track, Department of
Psychiatry and Human Behavior, Brown Alpert Medical School
- 2015-present *Professor*, Research Scholar Track, Department of Psychiatry and
Human Behavior, Brown Alpert Medical School

2021-present *Vice Chair for Research, Department of Psychiatry and Human Behavior, Warren Alpert Medical School of Brown University*

HOSPITAL AND UNIVERSITY APPOINTMENTS

Care New England Health System

2003-2015 *Inpatient Attending Psychiatrist, General Treatment Unit Delmonico 4, Butler Hospital*

2003-2011 *Associate Chief, Mood Disorders Program, Butler Hospital*

2003-2015 *Inpatient Attending Psychiatrist, Kent County Memorial Hospital, Providence, RI*

2001-present *Outpatient Psychiatrist, Butler Hospital*

2005-2007 *Assistant Unit Chief, General Treatment Unit Delmonico 4, Butler Hospital*

2008-2011 *Attending Psychiatrist, Partial Hospital Program, Butler Hospital*

2009-present *Attending Psychiatrist, Transcranial Magnetic Stimulation Clinic, Butler Hospital*

2011-present *Director, Laboratory for Clinical and Translational Neuroscience, Butler Hospital*

2014-2021 *Director of Research, Butler Hospital*

2019-2021 *Associate Director Administrative Core, Butler Hospital COBRE Center for Neuromodulation*

2021-present *Chief Scientific Officer, Care New England Health System*

Lifespan Health System

2020-present *Co-Director and Multiple Principal Investigator T32HD101392 "Research Training in Childhood Stress, Trauma, and Resilience," The Miriam Hospital*

2021-present *Co-Director, COBRE for Stress, Trauma, and Resilience (STAR), The Miriam Hospital*

- 2021-present *Co-Director, The Miriam Hospital STAR COBRE Administrative Core*
- 2021-present *Faculty, The Miriam Hospital STAR COBRE Community Collaborative Core*
- 2021-present *Faculty, The Miriam Hospital STAR COBRE Technology, Assessment and Data Analysis Core*

Brown University

- 2013-present *Faculty, Carney Institute for Brain Science, 7/13-present*
- 2015-2017 *Co-Director of Research Training, Adult Psychiatry Residency, Brown Alpert Medical School*
- 2018 *Participant: Brown Advance-CTR Mentor Training Program*
- 2017-present *Director of Research Training, Adult Psychiatry Residency, Brown Alpert Medical School*
- 2017-present *Member, Executive Leadership Council, Department of Psychiatry and Human Behavior, Warren Alpert Medical School of Brown University*
- 2017-present *Member, Department of Psychiatry Advisory Council, Department of Psychiatry and Human Behavior, Warren Alpert Medical School of Brown University*
- 2019-present *Founding Co-Director, Initiative on Stress, Trauma, and Resilience (STAR Initiative), Department of Psychiatry and Human Behavior*
- 2021-present *Vice Chair for Research, Department of Psychiatry and Human Behavior, Warren Alpert Medical School of Brown University*

OTHER APPOINTMENTS

Editorial Boards:

- 2007-2016 *Director, Trainee Editorial Board, Acta Psychiatrica Scandinavica*
- 2007-2016 *Editorial Board Member, Acta Psychiatrica Scandinavica*
- 2011-present *Editorial Board Member, Development and Psychopathology*

Ad Hoc Journal Reviewer:

Acta Psychiatrica Scandinavica
Age
American Journal of Psychiatry
Archives of General Psychiatry
Biological Psychiatry
Bipolar Disorders
Chronic Stress
Developmental Psychobiology
Development and Psychopathology
Epigenomics
European Neuropsychopharmacology
Hormones and Behavior
JAMA Pediatrics
Journal of Abnormal Psychology
Journal of Adolescent Health
Journal of Affective Disorders
Molecular Psychiatry
Nature Communications
Neuropsychiatric Genetics
Neuropsychopharmacology
Pediatrics
Public Library of Science (PLOS) ONE
Proceedings of the National Academy of Sciences
Psychiatry Research
Psychological Medicine
Psychoneuroendocrinology
Psychopharmacology
Psychophysiology
Psychosomatic Medicine
Translational Psychiatry
World Journal of Biological Psychiatry

National Scientific Committees:

2009-present	<i>Scientific Advisory Board Member, Depression Bipolar Support Alliance</i>
2011-2015	<i>Program Committee Member American College of Neuropsychopharmacology (ACNP)</i>
2013-present	<i>Travel Awardee Mentor American College of Neuropsychopharmacology (ACNP)</i>

2013-present	<i>Mentor</i> , Training and Education Committee Society for Biological Psychiatry
2014	<i>Mentor</i> , American Psychiatric Association (APA) Workgroup on Research Training, Research Colloquium for Junior Investigators
2015	<i>External Referee</i> , Faculty Promotion Review, Department of Psychiatry, Yale University School of Medicine
2016-2021	<i>Chair</i> , Data Safety Monitoring Board. R01HL127695 Initiating and Maintaining Physical Activity in Depressed Individuals
2016	<i>External Referee</i> , Faculty Promotion Review, Department of Psychiatry, University of Massachusetts Medical School
2017	<i>Member</i> , Women's Task Force American College of Neuropsychopharmacology (ACNP)
2019	<i>Co-Chair</i> , Women's Task Force American College of Neuropsychopharmacology (ACNP)
2020	<i>External Referee</i> , Faculty Promotion Review, Department of Psychiatry and Behavioral Sciences, Emory University School of Medicine
2021	<i>Chair</i> , Women's Task Force American College of Neuropsychopharmacology (ACNP)
2022	<i>Past Chair</i> , Women's Task Force American College of Neuropsychopharmacology (ACNP)
2021-2022	<i>Member</i> , Diversity and Inclusion Committee American College of Neuropsychopharmacology (ACNP)
2021-present	<i>External Advisory Board Member</i> , Yale University School of Medicine Neuroscience Research Training Program
2022-present	<i>External Advisory Board Member</i> , MGH McLean Physician Scientist Training Program
2023-present	<i>Member</i> , Women's Committee American College of Neuropsychopharmacology (ACNP)

Grant Reviewer:

- 2007 *Grant Reviewer*, National Institutes of Health/Center for Scientific Review Special Emphasis Panel “National Institute of Mental Health Centers for Pediatric Mental Health.” ZMH1-ERB-A-05
- 2007 *Grant Reviewer*, National Institutes of Health/Center for Scientific Review Special Emphasis Panel “Department of Defense PTSD/TBI Post Traumatic Stress Disorder Intramural #2,”
- 2009 *Grant Reviewer*, U.S. Army Medical Research and Development Command (USAMRMC), Scientific Peer Advisory and Review Services, Panel on PTSD
- 2009 *Grant Reviewer*, U.S. Army Medical Research and Development Command (USAMRMC), Scientific Peer Advisory and Review Services, Biomarkers of PTSD
- 2009 *Grant Reviewer*, U.S. Army Medical Research and Development Command (USAMRMC), Scientific Peer Advisory and Review Services, Post-Traumatic Stress Disorder
- 2010 *Grant Reviewer*, National Institutes of Health/Center for Scientific Review Special Emphasis Panel, “Dissertations,” ZMH1 ERB-E (04) S
- 2011 *Grant Reviewer*, National Institutes of Health/Center for Scientific Review Study Section Adult Psychopathology & Disorders of Aging (APDA), Ad Hoc Reviewer
- 2012 *Grant Reviewer*, National Institutes of Health/Center for Scientific Review Special Emphasis Panel, ZRG1 Biobehavioral and Behavioral Processes -D (04) M
- 2012 *Grant Reviewer*, National Institutes of Health/Center for Scientific Review Study Section Biobehavioral Mechanisms of Emotion, Stress, and Health (MESH), Ad Hoc Reviewer
- 2013 *Grant Reviewer*, National Institutes of Health/Center for Scientific Review Special Emphasis Panel Transformative Research Award
- 2013 *Grant Reviewer*, National Institutes of Health/Center for Scientific Review Study Section Neural Basis of Psychopathology, Addictions, and Sleep, Ad Hoc Reviewer
- 2013 *Grant Reviewer*, National Institutes of Health/Center for Scientific Review Special Emphasis Panel ZRG1 Biobehavioral and Behavioral Processes, Ad Hoc Reviewer
- 2014 *Grant Reviewer*, National Institutes of Health/Center for Scientific Review Special Emphasis Panel, ZRG1, Biobehavioral and Behavioral Processes, Ad Hoc Reviewer

- 2015 *Grant Reviewer*, National Institutes of Health/Center for Scientific Review Biobehavioral Mechanisms of Emotion, Stress, and Health (MESH), Ad Hoc Reviewer
- 2016 *Grant Reviewer*, National Institutes of Health/Center for Scientific Review Biobehavioral Mechanisms of Emotion, Stress, and Health (MESH), Ad Hoc Reviewer
- 2017 *Grant Reviewer*, National Institutes of Health/Center for Scientific Review Special Emphasis Panel, ZRG1, Biobehavioral and Behavioral Processes, Ad Hoc Reviewer
- 2017 *Grant Reviewer*, National Institutes of Health/Center for Scientific Review Special Emphasis Panel, ZMH1 ERB X (02), Research Education Programs (R25), Ad Hoc Reviewer
- 2018 *Grant Reviewer*, National Institutes of Health/Center for Scientific Review Special Emphasis Panel, ZHD1 DSR-T (50), NICHD CAPSTONE Center Grants, Ad Hoc Reviewer
- 2019 *Grant Reviewer*, National Institutes of Health/Center for Scientific Review Special Emphasis Panel, Biobehavioral Mechanisms of Emotion, Stress, and Health (MESH), Ad Hoc Reviewer
- 2021 *Grant Reviewer*, National Institutes of Health/Center for Scientific Review, National Institute for Child Health and Human Development ZHD1 DSR-R (90) Special Emphasis Panel Meeting, T32 Institutional Training Grant Review Meeting
- 2022 *Grant Reviewer*, National Institutes of Health/Center for Scientific Review Reproductive, Perinatal and Pediatric Health (RPPH) Study Section, Ad Hoc Reviewer

HOSPITAL COMMITTEES

- 2003-2006 *Member*, Butler Hospital Unit Leadership Committee
- 2004-2015 *Member*, Butler Hospital Physician's Subcommittee: Improvement of Organizational Performance
- 2006-2007 *Member*, Butler Hospital Committee on Ethnic Diversity in Research Participation
- 2008-2009 *Member*, Butler Hospital Committee on Staff Wellness Programs
- 2010-2018 *Member*, Butler Hospital Physician Compensation Committee

2009-2011	<i>Member</i> , Butler Hospital President's Leadership Work Group
2013-2015	<i>Member</i> , Butler Hospital Physician Advisory Committee
2014-2021	<i>Chair</i> , Butler Hospital Research Strategic Planning Committee
2014-2021	<i>Chair</i> , Butler Hospital Academic Planning Committee
2014-2016	<i>Member</i> , Care New England Academic Council Research Operations Sub-Committee
2016-2018	<i>Member</i> , Care New England T3 Research Executive Steering Committee
2016-2019	<i>Member</i> , Care New England Medical Group Board of Managers
2016-present	<i>Member</i> , Butler Hospital Art and History Committee
2016-present	<i>Member</i> , Butler Hospital Senior Management
2016-2021	<i>Member</i> , Care New England Academic Council
2021-present	<i>Co-Chair</i> , Care New England Academic Council
2020-present	<i>Chair</i> , Care New England Research Council
2021-present	<i>Member</i> , Diversity, Equity, and Inclusion Committee, Butler Hospital
2021-2022	<i>Care New England Lead</i> , Academic Affiliation Research Workstream for research integration of Brown with the Care New England and Lifespan Hospital Systems
2022-present	<i>Care New England Lead</i> , Aligned Research Collaboration (ARC) of Brown University, Lifespan, and Care New England

UNIVERSITY COMMITTEES

2004-2006	<i>Member</i> , Medical Curriculum Committee, Subcommittee on Years 3 and 4, Warren Alpert Medical School of Brown University
2011	<i>Member</i> , Search Committee, Director of the Women's Behavioral Health Program, Warren Alpert Medical School of Brown University Department of Psychiatry and Human Behavior

2011-2014	<i>Advisory Board Member</i> , Office of Women in Medicine, MomDocFamily, Warren Alpert Medical School of Brown University
2012-2013	<i>Diversity Representative</i> , Search Committee, Quantitative Science Program, Department of Psychiatry and Human Behavior, Warren Alpert Medical School of Brown University
2012-2015	<i>Member</i> , Medical Faculty Executive Committee, Warren Alpert Medical School of Brown University
2013	<i>Discussant</i> , Promotions Workshop for Faculty in Clinical Departments, Session for Research Scholar Track, Warren Alpert Medical School of Brown University
2013	<i>Member</i> , Medical Faculty Executive Committee, Sub-committee on Faculty Benefits, Warren Alpert Medical School of Brown University
2014	<i>Discussant</i> , Promotions Workshop for Faculty in Clinical Departments, Session for Research Scholar Track the Warren Alpert Medical School of Brown University
2015	<i>Chair</i> , Appointments Sub-Committee of the Medical Faculty Executive Committee, Warren Alpert Medical School of Brown University
2015-2020	<i>Member</i> , Diversity, Equity and Inclusion Committee, Department of Psychiatry and Human Behavior, Warren Alpert Medical School of Brown University
2015-2020	<i>Diversity Mentor</i> , Diversity, Equity and Inclusion Committee, Department of Psychiatry and Human Behavior, Warren Alpert Medical School of Brown University
2015-present	<i>Member</i> , Appointments and Promotions Committee, Department of Psychiatry and Human Behavior, Warren Alpert Medical School of Brown University
2017-present	<i>Member</i> , Executive Leadership Council, Department of Psychiatry and Human Behavior, Warren Alpert Medical School of Brown University
2017-present	<i>Member</i> , Department of Psychiatry and Human Behavior Advisory Council, Warren Alpert Medical School of Brown University

- 2018-2021 *Member*, Steering Committee of the Clinical Research Resources and Facilities Core of Advance-CTR, an NIGMS IDeA-CTR initiative
- 2019-2021 *Member*, Steering Committee of the Clinical Research Design, Epidemiology, and Biostatistics Core of Advance-CTR, an NIGMS IDeA-CTR initiative
- 2020-present *Member*, Anti-Racism Steering Committee, Department of Psychiatry and Human Behavior, Warren Alpert Medical School
- 2021-present *Chair*, Communications Working Group of the Anti-Racism Steering Committee, Department of Psychiatry and Human Behavior, Warren Alpert Medical School
- 2021-present *Member*, Steering Committee of the Advance-CTR, an NIGMS IDeA-CTR initiative
- 2022 *Member*, Search Committee, Chief of Mental Health, Providence Department of Veterans Affairs
- 2022 *Diversity Representative*, Search Committee, Chief of Mental Health, Providence Department of Veterans Affairs
- 2022 *Co-Chair*, Search Committee, Director of Memory and Aging Program, March-September

COMMUNITY SERVICE

- 2017-present *Member*, Sojourner House Domestic Violence Agency Advisory Committee
- 2017-present *Member*, Association of Migraine Disorders Education Committee
- 2017 *Presenter*, Rhode Island Brain Week, "PTSD: Moving on from Trauma to Treatment"
- 2017 *Presenter*, Rhode Island Brain Week: Mental Tapas "Childhood Adversity: Health Risks and Social Policy Implications"
- 2018-present *Artist and Benefactor*, Sojourner House Domestic Violence Agency, Providence RI, all of my art sales are directly donated for the benefit of Sojourner House, thus far totaling \$16,000
- 2021-2022 *Ambassador*, Sojourner House

MEMBERSHIPS IN SOCIETIES

1989-present	American Psychiatric Association
2004-present	Rhode Island Psychiatric Society
2005-present	Society of Biological Psychiatry
2007-2013	American College of Neuropsychopharmacology, Associate Member
2010-2011	The New York Academy of Sciences
2014-2015	International Society of Psychoneuroendocrinology
2019-2022	International Society for Traumatic Stress Studies
2014-2019	American College of Neuropsychopharmacology, Member
2020-present	American College of Neuropsychopharmacology, Fellow

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

**** = Student/Resident/Postdoc publication directed by Dr. Tyrka**

1. **Tyrka, A.** and Smith, G.P. Potency of SCH 23390 for decreasing sucrose intake in rat pups depends on mode of ingestion. Pharmacology Biochemistry & Behavior, 39(4):955-961, 1991.
2. Smith, G.P., **Tyrka, A.** and Gibbs, J. Type-A CCK receptors mediate the inhibition of food intake and activity by CCK-8 in 9- to 12-day-old rat pups. Pharmacology Biochemistry & Behavior, 38(1):207-210, 1991.
3. Weller, A., Corp, E. S., **Tyrka, A.**, Ritter, R. C., Brenner, L., Gibbs, J., and Smith, G. P. Trypsin inhibitor and maternal reunion increase plasma cholecystokinin in neonatal rats. Peptides, 13(5): 939-941, 1992.
4. **Tyrka, A.**, Gayle, C. and Smith, G. P. Raclopride decreases sucrose intake of rat pups in independent ingestion tests. Pharmacology Biochemistry & Behavior, 43(3):863-869, 1992.

5. Miesner, J., Smith, G. P., Gibbs, J., and **Tyrka, A.** Intravenous infusion of CCK-A receptor antagonist increases food intake in rats. American Journal of Physiology, 262(2):R216-R219, 1992.
6. **Tyrka, A.** and Smith, G. P. SCH 23390, but not raclopride, decreases intake of intraorally infused 10% sucrose in adult rats. Pharmacology Biochemistry & Behavior, 45(1):243-246, 1993.
7. **Tyrka, A.R.**, Cannon, T. D., Haslam, N., Mednick, S.A., Schulsinger, F., and Schulsinger, H. The Latent Structure of Schizotypy: Premorbid indicators of a taxon of individuals at-risk for schizophrenia spectrum disorders. Journal of Abnormal Psychology, 104: 173-183, 1995.
8. Carpenter, L.L., Heninger, G.R., McDougle, C.J., **Tyrka, A.R.**, Epperson, C.N., Price, L.H. Cerebrospinal fluid interleukin (IL)-6 in obsessive-compulsive disorder and trichotillomania. Psychiatry Research, 112 (3) 257-262, 2002.
9. **Tyrka, A.R.**, Waldron, I., Graber, J.A., and Brooks-Gunn, J. Prospective predictors of the development of eating disorders in adolescent girls. International Journal of Eating Disorders, 32 (3) 282-290, 2002.
10. Graber, J.A., **Tyrka, A.R.**, and Brooks-Gunn, J. How similar are different subclinical eating problems and bulimia nervosa? Journal of Child Psychology and Psychiatry, 44 (2) 262-273, 2003.
11. Carpenter, L.L., Heninger, G.R., Malison, R.T., Tyrka, A.R., and Price, L.H. Cerebrospinal fluid interleukin (IL)-6 in unipolar major depression. Journal of Affective Disorders, 79 285-289, 2004.
12. Carpenter, L.L., **Tyrka, A.R.**, McDougle, C.J., Malison, R.T., Owens, M.J., Nemeroff, C.B., and Price, L.H. Cerebrospinal fluid corticotropin releasing factor and perceived early life stress in depressed patients and healthy control subjects. Neuropsychopharmacology, 29 (4) 777-784, 2004.
13. **Tyrka, A.R.**, Carpenter, L.L., McDougle, C.J., Kirwin, P.D., Owens, M.J., Nemeroff, C.B., Strong, D.R., and Price, L.H. Increased CSF corticotropin-releasing factor during tryptophan depletion in healthy adults. Biological Psychiatry, 56, 531-534, 2004.
14. Carpenter, L.L., Schechter, J.M., Underwood, J.A., **Tyrka, A.R.**, and Price, L.H. Service expectations and clinical characteristics of patients receiving psychiatric emergency services. Psychiatric Services, 56: 743-745, 2005.
15. Carpenter, L.L., Milosavljevic, N., Schechter, J.M., **Tyrka, A.R.**, and Price, L.H. Augmentation with open-label atomoxetine for partial or nonresponse to antidepressants. Journal of Clinical Psychiatry, 66, 1234-8, 2005.

16. **Tyrka, A.R.**, Price, L.H., Feijo do Mello, M., de Abreu Feijo de Mello, A., and Carpenter, L.L. Psychotic major depression: A risk-benefit assessment of treatment options. Drug Safety, 29(6), 491-508, 2006.
17. Carpenter, L.L, Schecter, J.M., **Tyrka, A.R.**, Feijo de Mello, A., Feijo de Mello M., Haggarty, R., and Price, L.H. Open-Label Tiagabine monotherapy for major depressive disorder with anxiety. Journal of Clinical Psychiatry, 67, 66-71, 2006.
18. **Tyrka, A.R.**, Carpenter, L.L., Carvalho, J.P., and Price, L.H. Biomarkers in the human stress system: Do they signal risk for depression? Medicine and Health Rhode Island, 89 (5), 180-182, 2006.
19. Wier, L.M., Tavares, S.B., **Tyrka, A.R.**, Price, L.H., and Carpenter, L.L. Levetiracetam-Induced Depression in a Healthy Adult. Journal of Clinical Psychiatry, 67, 1159-60, 2006.
20. **Tyrka, A.R.**, Carpenter, L.L., Mello, A.F., Mello, M.F, Gagne, G.G., Grover, K.E., Anderson, G.M., and Price, L.H. Temperament and pituitary-adrenal response to the DEX/CRH Test in healthy adults. Psychoneuroendocrinology, 31, 1036-1045, 2006.
21. Carpenter, L.L., Friehs, G.M., **Tyrka, A.R.**, Rasmussen, S., Price, L., and Greenberg, B.D. Vagus nerve stimulation and deep brain stimulation for treatment resistant depression, Medicine and Health Rhode Island, 89 (4), 137-141, 2006.
22. **Tyrka, A.R.**, Wier, L.M., Anderson, G.M., Wilkinson, C.W., Price, L.H., and Carpenter, L.L. Temperament and response to the Trier Social Stress Test. Acta Psychiatrica Scandinavica, 115, 395-402, 2007.
23. **Grover, K.E., Carpenter, L.L., Gagne, G.G., Mello, A.A.F., Mello, M.F., Price, L.H., and **Tyrka, A.R.** The relationship between childhood abuse and adult personality disorder symptoms, Journal of Personality Disorders, 21, 442-447, 2007.
24. Feijo Mello, A., Francisco Jurruena, M., Pariante C.M., **Tyrka, A.R.**, Price, L.H., Carpenter, L.L., Alberto Del Porto, J. Depression and stress: is there an endophenotype? Revista Brasileira de Psiquiatria, 29 (Supl 1), S13-8, 2007.
25. Carpenter, L.L., Carvalho, J.P., **Tyrka, A.R.**, Wier, L.M., Mello, A.F., Mello, M.F., Anderson, G.M., Wilkinson, C.W., and Price, L.H. Decreased adrenocorticotrophic hormone and cortisol responses to stress in healthy adults with a history of significant childhood maltreatment. Biological Psychiatry, 62, 1080-7, 2007.
26. Carpenter, L.L., Bayat, L., Moreno, F., Kling, M.A., Price, L.H., **Tyrka, A.R.**, Kinkead, B., Owens, M.J., and Nemeroff, C.B. Decreased cerebrospinal fluid concentrations of substance P in treatment resistant depression and lack of alteration after acute adjunct vagus nerve stimulation therapy. Psychiatry Research, 157, 123-129, 2008.

27. **Kelly, M.M., **Tyrka, A.R.**, Anderson, G.M., Price, L.H., and Carpenter, L.L. Sex differences in emotional and physiological responses to the Trier Social Stress Test. Journal of Behavior Therapy and Experimental Psychiatry, 39, 87-98, 2008.
28. **Rikhye, K.R., Carpenter, L.L., **Tyrka, A.R.**, Gagne, G.G., Mello, A.A.F., Mello, M.F., and Price, L. Interplay between childhood adversity, parental bonding, and sex effects: Impact on quality of life. Child Abuse and Neglect, 32, 19-34, 2008.
29. **Tyrka, A.R.**, Wier, L.M., Price, L.H., Rikhye, K., Anderson, G.M. Wilkinson, C.W., and Carpenter, L.L. Cortisol and ACTH Responses to the Dex/CRH Test: Influence of Temperament. Hormones and Behavior, 53, 518-25, 2008.
30. Philip, N.S., Mello, K., Carpenter, L.L., **Tyrka, A.R.**, and Price, L.H. Patterns of quetiapine use in psychiatric inpatients: an examination of off-label use. Annals of Clinical Psychiatry, 20, 15-20, 2008.
31. **Kelly, M.M., **Tyrka, A.R.**, Price, L.H., and Carpenter, L.L. Sex differences in the use of coping strategies: Predictors of anxiety and depressive symptoms. Depression and Anxiety, 25, 839-46, 2008.
32. **Tyrka, A.R.**, Wier, L.M., Price, L.H., Anderson, G.M., Wilkinson, C.W., and Carpenter, L.L. Childhood parental loss and adult hypothalamic-pituitary-adrenal function. Biological Psychiatry, 63, 1147-54, 2008.
33. Philip, N.S., Carpenter, L.L., **Tyrka, A.R.**, and Price, L.H. Augmentation of antidepressants with atypical antipsychotics: A review of the current literature. Journal of Psychiatric Practice, 14, 34-44, 2008.
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IN PROGRESS PUBLICATIONS

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2. Lee, S.Y., Vergara-Lopez, C., Jennings, E., Nugent, N. R., Parade, S. H., **Tyrka, A. R.**, Stroud, L. R. (under review). How can we build structural resilience? Integration of

social-ecological and minority stress models. Invited article for special issue on Resilience at the American Psychologist, under review.

3. **Kulak, M.*, Lewis de los Angeles*, W., Daniels, T.E., Kulak, M., Gobin, A.P., Haleem, H., Kunicki, Z.J., **Tyrka, A.R.** *authors contributed equally. Increased cardiometabolic risk in healthy young adults with early life stress, under review.
4. **Daniels T.E., Hjelm B.E., Lewis-de los Angeles W.W., Zitkovsky E.K., Omedsalar A.A., Vawter M.P., **Tyrka A.R.** Early Life Stress, Diet, and Mitochondrial DNA Deletions in Healthy Young Adults, in preparation.
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82. **Tyrka, A.R.**, Lee, J.K., Graber, J.A., Clement, A.M., Kelly, M.M., DeRose, L.M., Warren, M.P., Brooks-Gunn, J. Neuroendocrine predictors of behavioral adjustment in boys: Longitudinal follow-up of a community sample. Society for Research in Child Development, March 2011.
83. **Tyrka, A.R.**, Reddy, MK, Burgers, DE, Lee, JK, McGeary, J, Sevin, E, Carpenter, LL, Price, LH, and Shea, MT. War-Zone Deployment: Stress, Neurobiology, and PTSD Outcomes. Fourteenth Annual Research Symposium on Mental Health Sciences, Department of Psychiatry and Human Behavior, Alpert Medical School of Brown University, March 2011.
84. Philip, N.S., Sweet, L.H., **Tyrka, A.R.**, Niaura, R., Price, L.H., and Carpenter, L.L. Effect of early life stress on the default network. Annual Meeting of the Society of Biological Psychiatry, May 2011.

85. **Tyrka, A.R.**, Price, L.H., Marsit, C., Walters, O.C., Wilkinson, C.W., and Carpenter, L.L. Epigenetic modulation of leukocyte glucocorticoid receptor in healthy adults: Effects of childhood parenting experiences. Annual Meeting of the Society of Biological Psychiatry, May 2011.
86. **Tyrka, A.R.**, Price, L.H., Marsit, C., Walters, O.C., and Carpenter, L.L. Epigenetic modulation of leukocyte glucocorticoid receptor in healthy adults: Effects of childhood parenting experiences. American College of Neuropsychopharmacology, December 2011.
87. Carpenter, L.L., Gawuga, C., **Tyrka, A.R.**, Price, L.H. CRP is associated with physical well-being, but not with early life stress or depression symptoms, in healthy adults. American College of Neuropsychopharmacology, December 2011.
88. Kuras, Y.I., Carpenter, L.L, Price, L.H., Marsit, C., Philip, N.S., **Tyrka A.R.** Epigenetic modulation of the leukocyte glucocorticoid receptor and childhood parental loss. Fifteenth Annual Research Symposium on Mental Health Sciences, Department of Psychiatry and Human Behavior, Alpert Medical School of Brown University, March 2012.
89. Chipetine, K., Carpenter, L.L., Price, L.H., **Tyrka, A.R.** Childhood adversity, resilience, and HPA axis reactivity. Fifteenth Annual Research Symposium on Mental Health Sciences, Department of Psychiatry and Human Behavior, Alpert Medical School of Brown University, March 2012.
90. Clement AM, Burgers DE, Tyrka AR, Price LH, Carpenter LL. Does a Laboratory Neuroendocrine Test Predict Response to a Psychosocial Stress Test? Fifteenth Annual Research Symposium on Mental Health Sciences, Department of Psychiatry and Human Behavior, Alpert Medical School of Brown University, March 2012.
91. Philip, N.S., Sweet, L.H., **Tyrka, A.R.**, Price, L.H., Bloom, R.F., Carpenter, L.L. Towards imaging biomarkers of early life stress: Decreased resting state default network connectivity. Fifteenth Annual Research Symposium on Mental Health Sciences, Department of Psychiatry and Human Behavior, Alpert Medical School of Brown University, March 2012.
92. **Tyrka, A.R.**, Price, L.H., Marsit, C., Carpenter, L.L. Childhood parental loss and epigenetic modulation of the leukocyte glucocorticoid receptor in healthy adults. Annual Meeting of the Society of Biological Psychiatry, May 2012.
93. Dougherty D, Carpenter L, Bhati, Howland R, O'Reardon J, Denko, Jacobs, Pandya, Price L, **Tyrka A.**, Evans, Rezai A, Baltuch, Machado, Eskandar E, Kondziolka, and Malone D. "A Randomized Sham-Controlled Trial of DBS of the Ventral Capsule/Ventral Striatum for Treatment-Resistant Depression" Oral Presentation, Annual Meeting of the Society of Biological Psychiatry, May 2012.

94. **Tyrka, A.R.**, Price, L.H., Marsit, C., Kuras, Y.I., Philip, N.S., Carpenter, L.L. Epigenetic modulation of leukocyte glucocorticoid receptor and childhood parental loss. American College of Neuropsychopharmacology, December 2012.
95. **Tyrka, A.R.**, Parade, S., Clement, A., Eslinger, N., Geraciotti, T., Berger, R., Dickstein, S., Seifer, R. Stress exposure in preschoolers: adrenocortical and behavioral correlates. Society for Research in Child Development Biennial Meeting, April 2013.
96. Shillan, B., Parade, S.H., **Tyrka, A.R.**, Seifer, R., Dickstein, S. Ineffective coparenting moderates links between parenting stress and child behavior independent of child maltreatment. Society for Research in Child Development Biennial Meeting, April 2013.
97. Eslinger, N., Parade, S., Seifer, R., Clement, A., Berger, R., Dickstein, S., **Tyrka, A.R.** Stress exposure in preschoolers: adrenocortical and behavioral correlates. Sixteenth Annual Research Symposium on Mental Health Sciences, Department of Psychiatry and Human Behavior, Alpert Medical School of Brown University, May 2013.
98. Eslinger, N.M., Carpenter, L.L., Price, L.H., Philip, N.S., Gelernter, J., Geraciotti, T.D., Kuras, Y.I., **Tyrka, A.R.** Childhood maltreatment: 5-HTTLPR genotype interaction influences adrenocortical responses. Sixteenth Annual Research Symposium on Mental Health Sciences, Department of Psychiatry and Human Behavior, Alpert Medical School of Brown University, May 2013.
99. **Tyrka A.R.**, Price, L.H., Gelernter, J., Geraciotti, T.D., Eslinger, N.M., Philip, N.S., Carpenter, L.L. 5-HTTLPR and childhood maltreatment: effects on adrenocortical response to psychosocial challenge. Annual Meeting of the Society of Biological Psychiatry, May 2013.
100. Valentine T.R., Kuras Y.I., Sweet L.H., **Tyrka A.R.**, Price L.H., Carpenter L.L. and Philip N.S. Reductions in resting state activity leads to decreased functional connectivity in early life stress: a coupled regional homogeneity and seed connectivity analysis. Sixteenth Annual Research Symposium on Mental Health Sciences, Department of Psychiatry and Human Behavior, Alpert Medical School of Brown University, May 2013.
101. Philip N.S., Valentine T.R., Kuras Y.I., Sweet L.H., **Tyrka A.R.**, Price L.H. and Carpenter L.L. Reduced resting state activity drives functional connectivity in early life stress: a coupled regional homogeneity and seed connectivity analysis. 68th Annual Meeting of the Society for Biological Psychiatry, May 2013.
102. Gananca, L., Oquendo, M.A., **Tyrka, A.**, Mann, J.J., Sublette, M.E. The role of cytokines in the pathophysiology of suicidal behavior. International Association for Suicide Prevention World Congress on Suicide, June 2013.

103. **Tyrka, A.R.**, Parade, S., Eslinger, N., Geraciotti, T., Josefson, B., Clement, A., Berger, R., Dickstein, S., Seifer, R. Maltreated Preschoolers: The Association of Stress Exposure with Adrenocortical and Behavioral Outcomes. American College of Neuropsychopharmacology, December 2013.
104. **Tyrka, A.R.**, Price, L.H., Marsit, C., Huckins-Noss, A., Eslinger, N., Philip, N.S., Carpenter, L.L. Methylation of the leukocyte glucocorticoid receptor: Early adversity and HPA axis function. American College of Neuropsychopharmacology, December 2013.
105. Philip, N.S., Valentine, T.R., **Tyrka, A.R.**, Price, L.H., Sweet, L.H., Carpenter, L.L. Evaluating the impact of early life stress on DLPFC functional connectivity in healthy adults: informing future studies of transcranial magnetic stimulation. American College of Neuropsychopharmacology, December 2013.
106. Josefson, B., Parade, S. H., Eslinger, N. M., Seifer, R. S., Marsit, C. J., Lesseur, C., Armstrong, D. A., Philip, N. S., **Tyrka, A. R.** Methylation of exons 1D, 1F, and 1H of the glucocorticoid receptor gene promoter and exposure to adversity in pre-school aged children. Brown University Mind Brain Research Day, March 2014.
107. Sadovnikoff, A.I., Marsit, C.J., **Tyrka, A.R.** Effects of maternal nutrition on gestational age and birthweight. Brown University Mind Brain Research Day, March 2014.
108. Carpenter S.L., Sweet L.H., **Tyrka A.R.**, Price L.H., Carpenter L.L. and Philip N.S.. Childhood maltreatment is associated with impaired working memory and task-associated activation. Brown University Mind Brain Research Day, March 2014.
109. Eslinger, N.M., Carpenter, L.L., Parade, S.H., Marsit, C., Philip, N.S., Price, L.H., **Tyrka, A.R.** Early life adversity: leukocyte glucocorticoid receptor methylation and HPA axis function in adults. Brown University Mind Brain Research Day, March 2014.
110. **Tyrka, A.R.**, Parade, S., Price, L.H., Kao, H.T., Porton, B., Philip, N.S., Welch, E.S., Carpenter, L.L. Mitochondrial DNA copy number and telomere length: Associations with childhood adversity and psychopathology. Annual Meeting of the Society for Biological Psychiatry, May 2014.
111. Philip N.S., Carpenter S.L., **Tyrka A.R.**, Price L.H. and Carpenter L.L. Childhood Maltreatment is Associated with Impaired Working Memory Performance and Task-Associated Activation. Annual Meeting of the Society for Biological Psychiatry, May 2014
112. **Tyrka, A.R.**, Parade, S., Price, L.H., Kao, H.T., Porton, B., Philip, N.S., Welch, E.S., Carpenter, L.L. Mitochondrial DNA copy number and telomere length: Associations with childhood adversity and psychopathology. Annual Meeting of the Society for Biological Psychiatry, May 2014.

113. Ridout, K.K., Parade, S.H., Seifer, R., Price, L.H., Gelernter, J., Feliz, P. **Tyrka, A.R.** *IL1B* Gene Variation and Internalizing Symptoms in Maltreated Preschoolers American Academy of Child and Adolescent Psychiatry Annual Meeting; San Diego, CA, October 2014.
114. **Tyrka, A.R.**, Parade, S., Price, L.H., Kao, H.T., Porton, B., Philip, N.S., Welch, E.S., Carpenter, L.L. Alterations of mitochondrial DNA copy number and telomere length with childhood adversity and psychopathology. American College of Neuropsychopharmacology, December 2014.
115. Philip N.S., Carpenter S.L., **Tyrka A.R.**, Sanchez G., Price L.H., Carpenter L.L. Preliminary Efficacy of 5 Hz Repetitive Transcranial Magnetic Stimulation for Depression and Comorbid Anxiety. American College of Neuropsychopharmacology, 2014.
116. Ridout, K.K., Parade, S.H., Seifer, R., Marsit, C., Lesseur, C., Armstrong, D., Eslinger, N., McWilliams, M., Philip, N., Josefson, B., **Tyrka, A.R.** Exposure to Adversity in Pre-school Aged Children, Glucocorticoid Receptor Gene Methylation and Behavioral Outcomes. American College of Neuropsychopharmacology Annual Meeting, Phoenix, AZ, December 2014.
117. Parade, S.H., Ridout, K.K., Seifer, R., Armstrong, D., Marsit, C., McWilliams, M., **Tyrka, A.R.** Methylation of the Glucocorticoid Receptor Gene Promoter in Preschoolers With Adversity: Links with Internalizing Problems. Society for Research in Child Development Biennial Meeting. Philadelphia, PA, March 2015.
118. Ridout, S.J., Ridout, K.K., Sen, S., Price, L.H., **Tyrka, A.R.** Depression and Telomere Length: A Meta-Analysis. Society of Biological Psychiatry Annual Meeting, Toronto, ON, May 2015.
119. Ridout, K.K., Parade, S.H., Seifer, R., Marsit, C.J., Lesseur, C., Armstrong, D.A., Eslinger, N., McWilliams, M., Philip, N.S., Josefson, B., **Tyrka, A.R.** Exposure to Adversity in Pre-school Aged Children, Glucocorticoid Receptor Gene Methylation and Behavioral Outcomes. Society of Biological Psychiatry Annual Meeting, Toronto, ON, May 2015.
120. Philip, N.S., Carpenter, S.L., Ridout, S.J., Sanchez, G., Albright, S., **Tyrka, A.R.**, Price, L.H., Carpenter, L.L. 5 Hz rTMS Therapy to Left Prefrontal Cortex for MDD Patients Unable to Tolerate Standard 10 Hz Protocol. Society of Biological Psychiatry Annual Meeting, Toronto, ON, May 2015.
121. Ridout, K.K., Parade, S.H., Paquette, A., Marsit, C., Seifer, R., **Tyrka, A.R.** Childhood Maltreatment and Methylation of FKBP5. Molecular Psychiatry Annual Meeting, San Francisco, CA, October 2015.

122. Philip N.S., **Tyrka A.R.**, Albright S., Sweet L., Price L.H., Carpenter L.L. Severity of early life stress predicts thalamic hyperconnectivity and multiple network disruption: A transdiagnostic study of global connectivity. Abstr Amer Coll Neuropsychopharm #I.M5, December 2015.
123. Ridout S., Minami H., **Tyrka A.R.**, Price L.H., Carpenter L.L. Cortisol response to Dex/CRH test as predictor of future mood/anxiety symptoms. Abstr Amer Coll Neuropsychopharm #II.T84, December 2015.
124. Ridout, K.K., Parade, S.H., Paquette, A., Marsit, C., Seifer, R., **Tyrka, A.R.** Childhood Maltreatment and Methylation of FKBP5. Abstr Amer Coll Neuropsychopharm, December 2015.
125. Ridout, K.K., Parade, S., Carpenter, L.L., Price, L.H., Philip, N.S., Kao, H-T, Porton, B., **Tyrka, A.R.** Associations Between Neuroendocrine Function and Mitochondrial DNA Copy Number in a Sample of Healthy Adults. Society of Biological Psychiatry Annual Meeting, Atlanta, GA, May 2016.
126. Ridout, S., Philip, N., **Tyrka, A.R.**, Niedzwiecki, M., Greenberg, B., Barnes, J., Price, L., Carpenter, L.L. Effects of transcranial magnetic stimulation therapy on heart rate variability in depression. Society of Biological Psychiatry Annual Meeting, Atlanta, GA, May 2016.
127. Philip N.S., Barredo J., Albright S., Frank M., Ridout S., Ridout K.L., Almeida J., **Tyrka A.R.**, Price L.H. and Carpenter L.L. Repetitive Transcranial Magnetic Stimulation Corrects Network Pathology in Patients with Comorbid Posttraumatic Stress Disorder and Major Depressive Disorder. Society for Biological Psychiatry, May 2016
128. Ostlund, B., Conradt, E., Marsit, C.M., Lester, B., **Tyrka, A.R.** Methylation of FKBP5 in infancy: Interaction between maternal history of stress and placental methylation of HSD11B2. International Conference on Infant Studies, May 2016.
129. Parade, S., Ridout, K., Seifer, R., Marsit, C., **Tyrka, A.R.** Methylation of FKBP5 among preschoolers with adversity: Links with domestic violence. International Conference on Infant Studies, May 2016.
130. Ridout, K.K., Parade, S., Carpenter, L.L., Price, L.H., Philip, N.S., Kao, H-T, Porton, B., **Tyrka, A.R.** Associations Between Neuroendocrine Function and Mitochondrial DNA Copy Number in a Sample of Healthy Adults. Society of Biological Psychiatry Annual Meeting, Atlanta, GA, May 2016.
131. Philip NS, Barredo J, Albright S, Frank M, Ridout S, Ridout KL, Almeida J, **Tyrka AR**, Price LH and Carpenter LL. Repetitive Transcranial Magnetic Stimulation Corrects Network Pathology in Patients with Comorbid Posttraumatic Stress Disorder and Major Depressive Disorder. Society for Biological Psychiatry, Atlanta, GA, May 2016.

132. Ridout, S.J., Philip, N.S., **Tyrka, A.R.**, Niedzwiecki, M., Greenberg, B.D., Barnes, J., Price, L.H., Carpenter, L.L. Effects of Transcranial Magnetic Stimulation Therapy on Heart Rate Variability in Depression. Society for Biological Psychiatry, Atlanta, GA May 2016.
133. Ridout, S.J., Philip, N.S., **Tyrka, A.R.**, Niedzwiecki, M., Greenberg, B.D., Barnes, J., Price, L.H., Carpenter, L.L. Effects of Transcranial Magnetic Stimulation Therapy on Heart Rate Variability in Depression. Society for Biological Psychiatry, Atlanta, GA May 2016.
134. Levandowski, M.L., Tractenberg, S.G., De Nardi, T., Rizzo, L., Brietzke, E., **Tyrka, A.R.**, Grassi-Oliveira, R. Cellular Aging in Crack/Cocaine Addiction and Child Abuse: Shortened Telomere Length in Comparison to Elderly Subjects, Society for Biological Psychiatry, Atlanta, GA, May 2016.
135. Yip A.G., Conelea C., Barnes J.L., Niedzwiecki M.J., Philip N.S., Greenberg B.D., **Tyrka A.R.**, Carpenter L.L. Transcranial magnetic stimulation (TMS) for treatment-resistant depression (TRD) in older vs younger patients: a case series International Society for ECT and Neurostimulation (ISEN), May 2016, Atlanta GA.
136. Ridout, K.K., Parade, S.H., Carpenter, L.L., Price, L.H., Philip, N.S., Kao, H-T, Porton, B, **Tyrka, A.R.** Association between Molecular Markers of Neuroendocrine Function and Cellular Metabolism with Early Life Stress and Psychopathology. American Academy of Child and Adolescent Psychiatry Annual Meeting, New York, NY, October 2016.
137. Ridout, S.J., Ridout, K.K., Levandowski, M., Gantz, L., Goonan, K., Palermo, D., Price, L.H., **Tyrka, A.R.** The Enduring Effects of Adversity in Early Life on Biologic Markers of Aging and Disease. Molecular Psychiatry Annual Meeting, Maui, HI, October 2016.
138. Ridout, K.K., Parade, S.H., Carpenter, L.L., Price, L.H., Philip, N.S., Kao, H-T, Porton, B, **Tyrka, A.R.** Association between Molecular Markers of Neuroendocrine Function and Cellular Metabolism with Early Life Stress and Psychopathology. Molecular Psychiatry Annual Meeting, Maui, HI, October 2016.
139. Ridout, K.K., Parade, S.H., Carpenter, L.L., Price, L.H., Philip, N.S., Kao, H-T, Porton, B, **Tyrka, A.R.** Association between Molecular Markers of Neuroendocrine Function and Cellular Metabolism with Early Life Stress and Psychopathology. American College of Neuropsychopharmacology Annual Meeting, Hollywood, FL, December 2016.
140. Levandowski, M., Ridout, K.K., Ridout, S.J., Gantz, L., Goonan, K., Palermo, D., Price, L.H., **Tyrka, A.R.** Meta-Analysis of Early Life Stress and Telomere Length. American College of Neuropsychopharmacology Annual Meeting, Hollywood, FL,

December 2016.

141. Phillips, K.A., **Tyrka, A.R.**, Philip, N.S., Guthrie, T., Vargas, S.E. Brown NIMH-Funded R25 Grant to Support Psychiatry Resident Research Training: Overview and 2016-2017 Update. Brown University Mind Brain Research Day, March 2017.
142. Bennett, E., de Almeida, J.R.C., Philip, N.S., **Tyrka, A.R.**, Niedzwiecki, M.J., Greenberg, B.D., Price, L.H., and Carpenter, L.L. Do Risk Factors for Bipolar Disorder Impact Outcomes Following Transcranial Magnetic Stimulation (TMS) Therapy for Depression? Brown University Mind Brain Research Day, March 2017.
143. Gaillard, M., Ridout, K.K., Lopez, C., Bath, K.G., **Tyrka, A.R.** Hippocampal Mitochondrial Gene Expression Changes with Development and Early Life Stress. Brown University Mind Brain Research Day, March 2017.
144. Josefson, B., Westerberg, D., Seifer, R., **Tyrka, A. R.**, & Parade, S. H. Parental Disclosure of Child Exposure to Domestic Violence: Effects of Sociodemographic Factors Over Time. Brown University Mind Brain Research Day. Providence, RI, April 2017.
145. Klaver, S. J., **Tyrka, A.**, Seifer, R., & Parade, S. Neighborhood safety and internalizing behavior problems among preschoolers living in poverty: The role of family violence. Brown University Mind Brain Research Day. Providence, RI, April 2017.
146. Parent, J., Laumann, L., Parade, S. H., Ridout, K. K., Seifer, R., Marsit, C. J., & **Tyrka, A. R.** Modeling change in children's internalizing and methylation of glucocorticoid receptor gene NR3C1: The role of child maltreatment. Poster presented at the Brown University Mind Brain Research Day, Providence, RI, April 2017.
147. Westerberg, D., Parade, S., **Tyrka, A.**, Geraciotti, T., Josefson, B., Welch, E., & Seifer, R. Family contextual stress, cortisol, and behavior problems in high-risk preschoolers. Poster presented at the Brown University Mind Brain Research Day. Providence, RI, April 2017.
148. Mischoulon, D., Carpenter, L., **Tyrka, A.**, Price, L., Clain, A.J., Papakostas, G., Fava, M. Cross-Over Therapy with Escitalopram Plus SAME Following Failure to Respond to Either Therapy Alone: Results From an Open-Phase Follow-Up to a Randomized Clinical Trial. International Society of Nutritional Psychiatry Research, August 2017.
149. Klaver, S. J., **Tyrka, A.**, Seifer, R., & Parade, S. H. Neighborhood safety and internalizing behavior problems among preschoolers living in poverty: The role of family violence. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Austin, TX, April 2017.

150. Locke, R., Parade, S., **Tyrka, A.**, & Seifer, R. Physiological and anger dysregulation in preschoolers exposed to early adversity. In M. Dozier (Chair). Adversity and its Consequences for Child Adaptation. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Austin, TX, April 2017.
151. Parade, S., Parent, J., Ridout, K., Seifer, R., Marsit, C., & **Tyrka, A.** Longitudinal change in methylation of *FKBP5* among preschoolers with adversity. In J. Parent (Chair), Epigenetics and developmental psychopathology. Symposium presented at the Society for Research in Child Development meeting, Austin, TX, April 2017.
152. Parent, J., Parade, S., Ridout, K., Seifer, R., Marsit, C., & **Tyrka, A.** Modeling change in child internalizing and methylation of the glucocorticoid receptor gene *NR3C1*: The role of child maltreatment. In J. Parent (Chair), Epigenetics and developmental psychopathology. Symposium presented at the Society for Research in Child Development meeting, Austin, TX, April 2017.
153. Westerberg, D., Parade, S., **Tyrka, A.**, Geraciotti, T., Josefson, B., Welch, E., & Seifer, R. Family contextual stress, cortisol, and behavior problems in high-risk preschoolers. Poster presented at the Biennial Meeting of the Society for Research in Child Development. Austin, TX, April 2017.
154. Syed, S.A., Ridout, K.K., Kao, H.T., **Tyrka, A.R.**, Coplan, J.D. Glucagon like peptide 1 as a predictor of telomere length in non human primates exposed to early life stress. Society of Biological Psychiatry Annual Meeting, San Diego, CA, May 2017.
155. Ridout, K.K., Gaillard, M., **Tyrka, A.R.**, Bath, K.G. Hippocampal mitochondrial gene expression changes with development and early life stress. Society of Biological Psychiatry Annual Meeting, San Diego, CA, May 2017.
156. Philip, N.S., Conelea, C., Yip, A., Barnes, J., Niedzwiecki, M., Greenberg, B., Price, L.H., **Tyrka, A.R.**, Carpenter, L.L. Repetitive transcranial magnetic stimulation for posttraumatic stress disorder comorbid with major depressive disorder. Society of Biological Psychiatry Annual Meeting, San Diego, CA, May 2017.
157. **Tyrka, A.R.**, Ridout, K.K., Gaillard, M., Lopez, C., Bath, K.G. Hippocampal mitochondrial gene expression changes with development and early life stress. American College of Neuropsychopharmacology Annual Meeting, Palm Springs, CA, December 2017.
158. Ridout, K.K., Parade, S.H., Seifer, R., Kao, H.T., Porton, B., Magnan, S., Price, L.H., **Tyrka, A.R.** Association between molecular markers of aging with early life stress and psychiatric disorders. American College of Neuropsychopharmacology Annual Meeting, Palm Springs, CA, December 2017.
159. Novick, A.M., Parade, S.H., Parent, J., Seifer, R., Klaver, S.J., Marsit, C.J., Gobin, A.P., Yang, B.Z., **Tyrka, A. R.** Stress exposure and psychopathology alter

methylation of the serotonin receptor *HTR2A* gene in preschoolers. American College of Neuropsychopharmacology Annual Meeting, Palm Springs, CA, December 2017.

160. Zandvakilli, A., Philip, N.S., Jones, A., **Tyrka, A.R.**, Greenberg, B.D., Carpenter, L.L. Machine learning can predict clinical response to transcranial magnetic stimulation: A resting EEG study of posttraumatic stress disorder and major depression. American College of Neuropsychopharmacology Annual Meeting, Palm Springs, CA, December 2017.
161. Novick, A.M., Werchan, D.M., **Tyrka, A.R.**, Parade, S.H., Ackerman, L., Gunther, K., Seifer, R., Philip, N.S., Amso, D. Cognitive and affective function in school-aged children experiencing trauma and adversity. Annual Brown University Mind Brain Research Day, March 2018.
162. Magnan, S., Ridout, K.K., Parade, S.H., Kao, H.T., Seifer, R., Porton, B., Price, L.H., **Tyrka, A.R.** Childhood maltreatment, behavioral adjustment, and molecular markers of cellular aging in preschool-aged children. Annual Brown University Mind Brain Research Day, March 2018.
163. Novick, A.M., Werchan, D.M., **Tyrka, A.R.**, Parade, S.H., Ackerman, L., Gunther, K., Seifer, R., Philip, N.S., Amso, D. Cognitive and affective function in school-aged children experiencing trauma and adversity. Society of Biological Psychiatry Annual Meeting, New York, New York, May 2018.
164. Daniels, T., Ridout, K., Sadovnikoff, A., Lesseur, C., Marsit, C., **Tyrka, A.R.** Maternal diet, placenta leptin methylation and infant growth. American College of Neuropsychopharmacology Annual Meeting, Hollywood, Florida, December 2018.
165. Ridout, K.R., Parade, S.H., Marsit, C.J., Carpenter, L.L., Price, L.H., Philip, N.S., Kao, H.T., Porton, B., **Tyrka, A.R.** Neuroendocrine function and mitochondrial DNA copy number alterations with early stress and psychopathology. Elizabeth Young Memorial Symposium, International Society for Psychoneuroendocrinology (ISPNE), 2018.
166. Josefson, B., Coe, J.L., Rodriguez, J., Micalizzi, L., Parade, S.H., Seifer, R., **Tyrka, A.R.** Child sex moderated the indirect effect of lifetime stress on behavior problems through temperament. Society for Research on Child Development, Baltimore, MD, March 2019.
167. Coe, J.L., Frank, L., **Parade, S. H.**, Seifer, R., & **Tyrka, A.R.** The interplay among domestic violence, household chaos, parenting practices, and preschool children's psychological adjustment. In H. Weldon (Chair), Influences and mechanisms of the influence of parental conflict on children. Symposium presented at the Biennial Meeting of the Society for Research in Child Development, Baltimore, Maryland, March 2019.

168. Parade, S., Ridout, K., Kao, H., Magnan, S., Seifer, R., Porton, B., Price, L., & **Tyrka, A.** Mitochondrial dysfunction in preschoolers exposed to early adversity. In S. Horn (Chair) Novel Metabolic and Immune Biomarkers of Toxic Stress: New Directions and Considerations for Clinical Translatability. Biennial Meeting of the Society for Research in Child Development, Baltimore, MD, March 2019.
169. Daniels TE, Gaillard MA, Carpenter LL, Price LH, **Tyrka AR.** Associations of Childhood Parental Loss and Maltreatment with Metabolic Risk in Healthy Young Adults. Society of Biological Psychiatry, 74th Annual Meeting. Chicago, IL, May 2019.
170. Daniels TE, Carpenter LL, Price LH, **Tyrka AR.** Associations of Childhood Parental Loss, Maltreatment with Metabolic Risk in Healthy Young Adults. International Society for Traumatic Stress Studies, 35th Annual Meeting. Boston, MA, November 2019.
171. Daniels TE, Zitkovsky EK, Price D, Dennery PA, Peterson AL, Carpenter LL, Price LH, **Tyrka AR.** Circulating Cell-Free Mitochondrial DNA (ccf-mtDNA) in Adults With and Without Early Adversity Following Acute Psychosocial Stressor: A Pilot Study. American College of Neuropsychopharmacology, 58th Annual Meeting, Orlando, FL, December 2019.
172. Dichtel, L.E., Carpenter, L.L., Nyer, M., Mischoulon, D., Kimball, Al, **Tyrka, A.R.**, Miller, K.K. Low-Dose Testosterone Augmentation for Treatment-Resistant Depression in Women: An 8-Week, Two-Site, Randomized, Placebo-Controlled Study, Annual Meeting of the Endocrine Society, San Francisco, CA, March 2020.
173. Daniels TE, Beck QM, Wong, SA, Gobin AP, Carpenter LL, Price LH, **Tyrka AR.** Childhood Adversity, but not Psychiatric Illness, Predicts Hair Cortisol Concentration in Healthy Young Adults. International Society for Traumatic Stress Studies, 36th Annual Meeting. Virtual. November 2020.
174. Daniels TE, Beck QM, Wong, SA, Gobin AP, Carpenter LL, Price LH, **Tyrka AR.** Associations of Childhood Adversity, Perceived Stress and Hair Cortisol Concentration in Healthy Young Adults. Society for Research in Child Development Biennial Meeting, Virtual, April 2021.
175. Daniels TE, Zitkovsky EK, Kunicki Z, Price D, Dennery PA, Peterson AL, Carpenter LL, Price LH, **Tyrka AR.** Circulating Cell-free Mitochondrial DNA and Depression Symptoms in a Sample of Smokers. Society of Biological Psychiatry, 76th Annual Meeting, Virtual, May 2021.
176. Parson AS, Daniels TE, Beck QM, Gobin P, Magnan SJ, **Tyrka AR.** Investigating COVID-19 as a Stressor in Adults with Early Life Stress. Brown University Summer Research Symposium, Virtual, August 2021.

177. Sheriff, B., Lewis de los Angeles, CP, **Tyrka, AR**. Adverse Childhood Experiences, Resilience Promoting Factors, and Somatic Symptoms. International Society for Traumatic Stress Studies, 37th Annual Meeting. Virtual. November 2021.
178. Daniels TE, Lewis-de los Angeles WW, Mathis KJ, de la Monte SM, **Tyrka AR**. Associations of Leptin, Ghrelin, Psychiatric Disorders and Childhood Adversity in Young Adults. American College of Neuropsychopharmacology, December 2021.
179. Rojo-Wissar, DM, Coe, JL, Daniels, T, Carskadon, MA, Seifer, R, Parade, SH, **Tyrka, AR**. Parent-Child Relationship Quality and Boundaries during Early Childhood and Actigraphy-Measured Sleep in Middle Childhood. World Sleep Congress, March 2022.
180. Daniels, TE, Lewis-de los Angeles, WW, Hjelm, BE, Zitkovsky, EK, Omidshar, AA, Vawter, MP, **Tyrka, AR**. Associations of Early Life Stress with Mitochondrial DNA Deletions in Healthy Young Adults, Annual Meeting of the Society of Biological Psychiatry, April 2022.
181. Kudinova, AY, Daniels, TE, Lewis-de los Angeles, WW, Haleem, H, Chanthrakumar, P, de la Monte, S, **Tyrka, AR**. Bivariate Associations and Indirect Effects of Early Life Stress on Plasminogen Activator Inhibitor-1 (PAI-1), Annual Meeting of the Society of Biological Psychiatry, April 2022.
182. Rojo-Wissar, DM, Coe, JL, Daniels, T, Seifer, R, Parade, SH, & **Tyrka, AR**. Parent-Child Relationship Quality and Boundaries during Early Childhood and Actigraphy-Measured Sleep in Middle Childhood. World Sleep, Rome, Italy, 2022.
183. Daniels TE, Lewis-de los Angeles WW, Hjelm BE, Zitkovsky EK, Vawter MP, **Tyrka AR**. Childhood Adversity, Mitochondrial DNA Deletions and Diet in Healthy Young Adults. International Society for Traumatic Stress Studies, 38th Annual Meeting, November 2022.
184. Daniels TE, Lewis-de los Angeles WW, Hjelm BE, Zitkovsky EK, Vawter MP, **Tyrka AR**. Associations of Early Life Stress with Mitochondrial DNA Deletions and Diet in Healthy Young Adults. American College of Neuropsychopharmacology, 61st Annual Meeting, December 2022.
185. Huffhines, L., Seifer, R., Parade, S., **Tyrka, AR**. Parental Responsiveness to Emotion Moderates Pathways from Emotion Dysregulation to Psychopathology in Trauma-Exposed Children. Society for Research on Child Development Biennial Meeting, March 2023.
186. Rojo-Wissar, D., Daniels, T., Seifer, R., Parade, S., **Tyrka, AR**. Father Involvement and Child Sleep in a Racially and Ethnically Diverse Sample Exposed to Adversity. Society for Research on Child Development Biennial Meeting, March 2023.

187. Kavanaugh, B. Parade, S., Seifer, R., McLaughlin, N., Tirrell, E., Festa, E., Oberman, L., Novick, A., Carpenter, L.L., **Tyrka, A.R.** Childhood Stress, Gender, and Cognitive Control: Midline Theta Power (MTP). Annual Brown Mind Brain Research Day, March 2023.
188. Vigne, M., Kavanaugh, B. Tirrell, E., Acuff, W.L., Fukuda, A.M., Thorpe, R., Sherman, A., Jones, S., Carpenter, L.L., **Tyrka, A.R.** Frontoparietal beta event characteristics are associated with early life stress and current psychiatric clinical symptoms in adults. Annual Brown Mind Brain Research Day, March 30, 2023.
189. Kulak, M., Kudinova, A.Y., Daniels, T., Lewis-de los Angeles, W., de la Monte, S., **Tyrka, A.R.** The Indirect Effect of Early Life Stress on Metabolic Risk via Plasminogen Activator Inhibitor-1. Annual Brown Mind Brain Research Day, March 2023.
190. **Tyrka, A.R.**, Philip, N.S., Guthrie, T., Whiteley, L., Vargas, S. Brown's NIMH-Funded Research Training Program for Psychiatry Residents: 2022-2023 Update. Annual Brown Mind Brain Research Day, March 2023.

INVITED PRESENTATIONS

1. **Tyrka, A.R.** New Views on Women and Depression. *Women and Infants Hospital Annual Women's Health Conference*, January, 2005, Regional Presentation.
2. **Tyrka, A.R.** Risk for Depression: It's Nature and Nurture. *Butler Hospital Board of Trustees*, March, 2005, Regional Presentation.
3. **Tyrka, A.R.** Psychotic Depression. *Butler Hospital Case Conference Series*, April 26, 2005, Regional Presentation.
4. **Tyrka, A.R.** Sensitivity to Stress and Risk for Depression. *Butler Hospital Staff Association*, April, 2005, Regional Presentation.
5. **Tyrka, A.R.** Trauma and Psychopathology: Psychosocial and Biological Factors Influencing Risk and Resilience. *Second Annual Joint Conference Butler Hospital and Family Service of Rhode Island*, March 24, 2006, Regional Presentation.
6. **Tyrka, A.R.** Risk for Major Depression: Genes, Stress, and the HPA Axis. *American Psychiatric Association 159th Annual Meeting*, Toronto, May, 2006, National Presentation.
7. **Tyrka, A.R.** Current Research and Significance of Childhood Trauma: Effects on Adulthood. *Women and Infants Hospital Annual Women's Health Conference*, May, 2007, Regional Presentation.

8. **Tyrka, A.R.** Stress Sensitivity and Risk for Psychopathology: Genes, Experience and HPA Axis Function. *Distinguished Faculty Speaker, Twelfth Annual Brown Medical School Department of Psychiatry and Human Behavior Research Symposium*, March, 2008, Regional Presentation.
9. **Tyrka, A.R.** Corticotropin releasing hormone receptor (CRHR1) polymorphisms interact with early life stress to influence the cortisol response to the Dex/CRH test. Paper presented at the *Annual Meeting of the Society of Biological Psychiatry*, May, 2008, National Presentation.
10. **Tyrka, A.R.** Neurobiology of Anxious Depression. *American Psychiatric Association 162nd Annual Meeting*, San Francisco, May 2009, National Presentation.
11. **Tyrka, A.R.** Depression and Bipolar Disorder: Ask the Expert Panel. *Depression and Bipolar Support Alliance National Conference*, September, 2009, National Presentation.
12. **Tyrka, A.R.** Alternative Treatments: Evaluating Your Options. *Gerald Klerman Award Winner Presentation, Depression and Bipolar Support Alliance National Conference*, September, 2009, National Presentation.
13. **Tyrka, A.R.** Childhood Maltreatment and the Biology of Mental Health Outcomes. *NIMH Workshop: Child Maltreatment and Trauma: Integrating Biological, Cognitive and Social Trajectories of Development*, Bethesda, MD, August, 2010, National Presentation.
14. **Tyrka, A.R.** Gene–Environment Interactions – Role in Depressive and Anxiety Disorders. *European College of Neuropsychopharmacology*, Amsterdam, August 2010, International Presentation.
15. **Tyrka, A.R.** Exposure to Violence in Childhood: Neurobiology of the Stress Response. *Butler Hospital / Family Service of Rhode Island 6th Annual Professional Education Lecture*, March, 2011, Regional Presentation.
16. **Tyrka, A.R.** Childhood Adversity and Leukocyte Telomere Shortening: Effects of Early Stress on Cellular Aging. *Annual Meeting of the Society of Biological Psychiatry Symposium: Cell Aging and Telomere Attrition in Major Depression*, May, 2011, National Presentation.
17. **Tyrka, A.R.** Neurobiological Sequelae of Early-Life Stress: Endocrine, Immune, and Cellular Aging Effects. *University of Michigan Department of Psychiatry Grand Rounds*, May, 2012, National Presentation.

18. **Tyrka, A.R.** Early-Life Stress: Endocrine, Immune, and Cellular Aging Effects. *Geisel School of Medicine at Dartmouth, Department of Psychiatry Grand Rounds*, October, 2012, National Presentation.
19. **Tyrka, A.R.** Early Life Stress and Exposure to Stress Challenge: Findings in Healthy Adults. *Society for Research on Child Development, Symposium: Childhood Adversity and Inflammatory Processes*, April 2013, National Presentation.
20. **Tyrka, A.R.** Toxic Stress in Childhood: Long-Term Health Effects. *Research Colloquium, Providence Veterans Administration Medical Center*, June, 2013, Regional Presentation.
21. **Tyrka, A.R.** Childhood Adversity: Neurobiological Mechanisms of Risk for Psychopathology. *Research Colloquium, The Center for Depression, Anxiety, and Stress Research, McLean Hospital*, October, 2013, National Presentation.
22. **Tyrka, A.R.** Methylation of the Glucocorticoid Receptor Gene Promoter: Associations with Stress and Psychopathology. *Symposium Chair: International Society for Psychoneuroendocrinology, Montreal*, August 2014, International Presentation.
23. **Tyrka, A.R.** Childhood Adversity, Psychopathology, and NR3C1 Methylation: Studies of Adults and Children. *International Society for Psychoneuroendocrinology, Montreal*, August 2014, National Presentation.
24. **Tyrka, A.R.** Childhood Stress and Trauma: Effects on Endocrine, Immune, and Cellular Aging Pathways. *Grand Rounds, New York University Child Study Center*, April, 2015, National Presentation.
25. **Tyrka, A.R.** Childhood Adversity and Epigenetic Regulation of Glucocorticoid Signaling Genes: Associations in preschool-aged children and adults. *University of Minnesota Institute of Child Development, Institute for Translational Research, Inaugural Symposium on Epigenetics: Development, Psychopathology, Resilience, and Preventive Intervention*, May, 2015, National Presentation.
26. **Tyrka, A.R.** Early Life Stress and Cellular Aging: Risk and Protective Mechanisms. *Brown University Symposium Brains in Crisis: Stress and Resilience in Syrian Refugee Children*, April, 2016, National Presentation.
27. **Tyrka, A.R.** Childhood Trauma: Effects on Endocrine, Immune, and Cellular Aging Pathways. *Grand Rounds, University of Massachusetts Medical School Department of Psychiatry*, October National Presentation.
28. **Tyrka, A.R.** PTSD: Moving on from Trauma to Treatment," *Rhode Island Brain Week*, March, 2017, Regional Presentation.

29. **Tyrka, A.R.** Childhood Adversity: Health Risks and Social Policy Implications. *Rhode Island Brain Week: Mental Tapas*, March, 2017, Regional Presentation.
30. **Tyrka, A.R.** Childhood Adversity and Cellular Aging: Effects on Telomeres and Mitochondria. *University of California Los Angeles Cousins Center Lectures in Psychoneuroimmunology*, May, 2017, National Presentation.
31. **Tyrka, A.R.** Early Stress and Mitochondrial DNA: Human and Mouse Models. *Symposium on Mitochondria and Mental Health, Biological Psychiatry Annual Meeting*, May, 2018, National Presentation.
32. **Tyrka, A.R.** Early Stress and Aging: Mitochondrial DNA in Human and Mouse Models. *Inaugural Stress and Aging Summit*, Vrije Universiteit Amsterdam, Netherlands, June, 2018, International Presentation.
33. **Tyrka, A.R.** Early Life Stress: Endocrine, Metabolic, and Cellular Aging Effects. *Grand Rounds, Department of Psychiatry and Human Behavior, Alpert Medical School of Brown University*, September, 2018, National Presentation.
34. **Tyrka, A.R.** Effects of Early Adversity: Endocrine, Metabolic, and Cellular Aging Pathways. *Current Work in Clinical Psychology Colloquium Series*, Department of Psychology, Yale University, October, 2018.
35. **Tyrka, A.R.** Stress and Adversity: Effects on Hormonal, Metabolic, and Cellular Aging Pathways. *Annual Women in Science Grand Rounds*, McLean Hospital, September, 2019, National Presentation.
36. **Tyrka, A.R.** Nature, Nurture, and Navigation: My Path to Leadership. *Annual Women in Science and Medicine Career Lecture*, McLean Hospital, September, 2019, National Presentation.
37. **Tyrka, A.R.** Early Life Stress: Accelerated Cellular Aging and Risk for Disease. *Universidade Catolica do Rio Grande do Sul, Brazil*, October, 2019, International Presentation.
38. **Tyrka, A.R.** Women in Science: United States and Brazil, Part 1. *Universidade Catolica do Rio Grande do Sul, Brazil*, October, 2019, International Presentation.
39. **Tyrka, A.R.** Women in Science: United States and Brazil, Part 2. *Universidade Catolica do Rio Grande do Sul, Brazil*, October, 2019, International Presentation.
40. **Tyrka, A.R.** Overcoming Social Evaluative Threat in Academia. *Universidade Catolica do Rio Grande do Sul, Brazil*, October, 2019, International Presentation.

41. **Tyrka, A.R.** The Psychiatric-Metabolic Syndrome: How Stress and Trauma Program the Body and Brain. *Stockholm Psychiatry Lectures Series, Karolinska Institute, Stockholm, Sweden*, November, 2019, International Presentation.
42. **Tyrka, A.R.** How to Overcome Social Evaluative Threat and Give a Great Presentation. *Institute on Stress, Trauma, and Resilience (STAR) Lecture Series, Department of Psychiatry and Human Behavior, Warren Alpert Medical School of Brown University*, February, 2020, Local Presentation.
43. **Tyrka, A.R.** Stress, Trauma, and Racial Injustice Moderator for panel discussion. *Initiative on Stress, Trauma, and Resilience (STAR), Department of Psychiatry and Human Behavior, Warren Alpert Medical School of Brown University*, June, 2020, Local Presentation.
44. **Tyrka, A.R.** It's Not About You: How to Overcome Social Evaluative Threat in Academia and Give a Great Presentation. *Providence Veterans Administration Medical Center, Center for Neurorestoration and Neurotechnology*, October 2020, Local Presentation.
45. **Tyrka, A.R.** Childhood Adversity, Race, and Biological Mechanisms of Risk for Health Disparities. *Decoding Disparities Series, Brown University*, November, 2020, Local Presentation.
46. **Tyrka, A.R.** Early Life Adversity: Mechanisms of Risk for Psychiatric and Metabolic Disorders. *Grand Rounds, Department of Psychiatry, University of Illinois at Chicago*, November, 2020, National Presentation.
47. **Tyrka, A.R.** Early Life Stress and Mechanisms of Risk for Psychiatric and Metabolic Disease. *Providence Veterans Administration Medical Center (VAMC) Mental Health Colloquium*, May, 2022, Local Presentation.
48. **Tyrka, A.R.** Early Adversity and Accelerated Aging: Risk and Protective Mechanisms. *Neuropsychiatry Translational Research Program, Boston VAMC, Mass General Brigham, and Boston University*, March, 2023, National Presentation.

ACTIVE GRANTS

1. R21AG077332 "Mechanisms of Accelerated Aging: Stress, Health Behaviors, and the Role of Mitochondria", role: **Principal Investigator**, 12/1/22-11/30/24. \$413,458.
2. R01HD095837 (Parade, PI) "Longitudinal Examination of DNA Methylation in Maltreated Children," role: **Co-Investigator**, 9/1/18-8/31/23, \$2,662,705.

3. R01HD086487 “Risk Profiles and Mechanisms of Disease in Maltreated Children,” role: **Principal Investigator**, 9/21/16-5/31/24 (NCE), \$2,962,164.
4. P20GM139767 (Stroud, PI) “COBRE for Stress, Trauma, and Resilience (STAR),” role: **COBRE Co-Director**, 09/15/2021 - 07/31/2026, \$11,077,551.
Additional Roles:
Co-Director, Administrative Core
Mentor, Projects 3 and 4
Faculty, Community Collaborative Core and Technology
Faculty, Assessment, and Data Analysis Core
5. R25MH101076 “Promoting Research Training During Psychiatry Residency,” role: **Principal Investigator**, 7/1/20-6/30/25, \$1,840,778.
6. T32HD101392 “Research Training in Childhood Stress, Trauma, and Resilience,” role: **Multiple Principal Investigator**, 5/01/20-4/30/25, \$1,676,997.
7. K23AT0111173 “Developing an Internet-Delivered, Mindfulness-Based Intervention to Reduce HIV Risk and Promote Mental and Sexual Health Among Young Adult MSM,” role: **Co-Mentor**, 9/1/20-8/31/25, \$841,855.
8. 2R25MH101076 Supplement to “Promoting Research Training During Psychiatry Residency,” to support a summer research fellowship in psychiatry for medical students from under-represented minority groups, role: **Principal Investigator**, 7/1/23-8/31/23, \$16,187.

COMPLETED GRANTS

1. National Institute of General Medical Sciences Medical Scientist Training Program, role: **Training Grant Recipient**, 8/93-8/94.
2. 5 F30 MH10819 Predoctoral National Research Service Award, “Neuropsychological Indicators of Risk for Schizophrenia,” role: **Principal Investigator**, 9/94-5/99.
3. NARSAD (Young Investigator Award), “Hypothalamic-Pituitary-Adrenal Function in Adults with a History of Childhood Parental Loss,” role: **Principal Investigator**; 6/03-5/05, \$60,000.
4. Janssen Pharmaceutica Faculty Development Award in Psychopharmacology, role: **Principal Investigator**, 5/03, \$25,000.
5. RSGPB PBP-103382 American Cancer Society, “Improving Smoking Cessation in Smokers with Depressive Symptoms”, role: **Study Physician**, 7/02-6/04.

6. Medtronic, Inc., “Electrical Stimulation of the Anterior Limb of the Internal Capsule to Treat Major Depressive Disorder,” role: **Co-Investigator**, 10/02-9/04, \$315,000.
7. K23MH067947 Mentored Patient-Oriented Research Career Development Award, “Risk for Depression, Stress, and Neuroendocrine Function,” role: **Principal Investigator**; 12/03-11/08, \$905,000.
8. Pfizer, Inc. “Sertraline Treatment and Cortisol Response to the DEX/CRH Test”, Investigator-Initiated, role: **Co-Investigator**, 1/04-11/06, \$300,684.
9. United States Department of the Interior, “Perceived Early Life Stress and DEX/CRH Test Response as Predictors of Psychological Sequelae following Exposure of Healthy Adults to War Stress,” role: **Co-Investigator**, 7/04-6/05, \$40,000
10. UCB Pharma, Inc. “Keppra Treatment and Cortisol Response to the DEX/CRH Test in Healthy Subjects,” Investigator-Initiated, role: **Co-Investigator**, 6/04-5/07, \$111,624.
11. NCCAM/NIMH AT001742, "Double-blind, placebo-controlled study of SAME vs. escitalopram in MDD," role: **Study Physician**, 4/04 - 3/09, \$1,087,938.
12. United States Department of Defense, “Biomarkers of risk for post-traumatic stress disorder (PTSD),” role: **Principal Investigator**, 4/01/07-4/01/10, \$409,390.
13. Cyberonics, Inc. “Randomized Comparison of Outcomes in Patients with Treatment-Resistant Depression Who Receive VNS Therapy Administered at Different Amounts of Electrical Charge” role: **Co-Investigator**; 11/1/07-12/1/10; \$230,000.
14. Medtronic, Inc. “RECLAIM Deep Brain Stimulation (DBS) Clinical Study for Treatment- Resistant Depression.” Multi-Site; role: **Sub-Investigator**, 4/16/2009-5/1/2012, \$329,280.
15. R01 MH0687670 “DEX/CRH Response: Mood/Anxiety Disorder Endophenotype? Phase 2.” role: **Co-Investigator**, 12/08-11/13, \$3,514,780.
16. R01 MH083704 “Childhood Maltreatment: Biomarkers of Risk and Resilience,” role: **Principal Investigator**, 12/09-11/14, \$2,863,342.
17. R01 NR012005 “RCT of Hatha Yoga for Persistent Depression,” role: **Co-Investigator**, 2/11 - 01/15, \$1,718,041.
18. R21 MH091508 “Childhood Maltreatment: Epigenetic Modulation of the Glucocorticoid Receptor,” role: **Principal Investigator**, 4/08/11-3/31/13, \$393,156.

19. R01MH068767 - 08W1 Supplement to “DEX/CRH Response: Mood/Anxiety Disorder Endophenotype? Phase 2.” Telomere Shortening in Relation to Early-Life Stress, role: **Co-Investigator**, 5/8/12-4/30/13, \$60,000.
20. R01 MH083704-Supplement to “Childhood Maltreatment: Biomarkers of Risk and Resilience,” role: **Principal Investigator**, 07/29/12-11/30/2014, \$185,143.
21. R34 MH099310 “Testosterone Augmentation in Women,” role: **Co-Investigator**, 6/30/13-6/30/15, \$633,150.
22. HHSN2712011000061 “Rapidly Acting Treatments for Treatment-Resistant Depression (RAPID),” role: **Co-Investigator**, 4/1/14-3/31/16, \$341,269.
23. Brown Institute for Brain Science / Norman Prince Neurosciences Institute New Frontiers Award “Developmental Response to Early Stress: Neural Mechanisms of Cognitive and Behavioral Effects,” role: **Co Principal Investigator**, 1/1/14-12/31/14, \$40,000.
24. R01 MH101107 “Early Life Stress: Epigenetic Regulation of Endocrine and Immune Pathways,” role: **Principal Investigator**, 4/1/2014-3/31/2019, \$2,639,488.
25. R01 NR014540-01A1 (Battle, PI) “RCT of a Tailored Walking Program to Reduce Stress Among Pregnant Women,” role: **Co-Investigator**, 9/17/14-9/16/19, 2,358,850.
26. R01MH105379-01 (Nugent, PI) “Biomarkers, Social, and Affective Predictors of Suicidal Thoughts and Behaviors in Adolescents”, role: **Co-Investigator**, 3/1/15-2/28/19, \$3,230,458.
27. R25MH101076 “Promoting Research Training During Psychiatry Residency,” role: **Principal Investigator**, 7/1/13-6/30/18, \$989,310.
28. R25MH101076 S1 Supplement to “Promoting Research Training During Psychiatry Residency” to support the National Neuroscience Curriculum Initiative. role: **Principal Investigator**, 7/1/13-6/30/18, \$989,310.
29. R01HD081868-01A1 (Battle, PI) “Efficacy of a Prenatal Yoga Intervention for Antenatal Depression,” role: **Co-Investigator**, 11/1/15-6/30/20, \$2,701,090.
30. TACO / The White Family Foundation Grant to fund purchase of a spectrophotometer, **Principal Investigator**, 1/1/2016, \$5,000.
31. Brown Institute for Brain Science / Norman Prince Neurosciences Institute New Frontiers Award “Molecular Mechanisms of the Impact of Early Adversity on Neuronal Development: Focus on Mitochondria,” role: **Co Principal Investigator**, 5/1/16-4/30/17, \$40,000.

32. Janssen Pharmaceuticals, Inc., “A Randomized, Double-Blind, Multicenter, Active-Controlled Study of Intranasal Esketamine Plus and Oral Antidepressant for Relapse Prevention in Treatment-Resistant Depression,” role: **Sub-Investigator**, 10/1/16-6/30/18.
33. Janssen Pharmaceuticals, Inc., “An Open-Label Long-Term Extension Safety Study of Intranasal Esketamine in Treatment-Resistant Depression (SUSTAIN-3),” role: **Sub-Investigator**, 3/1/17-6/30/21.
34. F31HD088020-01A1 (Huffhines, PI) “Biological Indicators of Trauma in Foster Youth: The Role of Social Support,” role: **Co-Mentor**, 4/25/17-4/24/19, \$76,488.
35. Roddy Holden Kinzel Foundation equipment grant “Childhood Adversity and Mitochondrial Function,” **Principal Investigator**, 12/1/17, \$10,000.
36. Brown Institute for Brain Science / Norman Prince Neurosciences Institute New Frontiers Award “Molecular Mechanisms of the Impact of Early Adversity on Neuronal Development: Focus on Mitochondria, Phase II” role: **Co Principal Investigator**, 5/1/17-4/30/18, \$40,000.
37. Ida Ballou Littlefield Foundation equipment grant “Early Life Stress and Mitochondrial Function,” **Principal Investigator**, 1/17/18, \$7,500.
38. R25MH101076-05S2 Supplement to “Promoting Research Training During Psychiatry Residency” to support a summer research fellowship in psychiatry for medical students from under-represented minority groups, role: **Principal Investigator**, 6/21/18-8/03/18, \$10,433.
39. P20 GM130452 (Greenberg, PI) “COBRE Center for Neuromodulation (CCN),” *role:* **Associate Director, Administrative Core**, 2/28/2019-2/27/2024, \$10,223,884
40. 1R25MH101076-06A1S1 Supplement to “Promoting Research Training During Psychiatry Residency,” to support a summer research fellowship in psychiatry for medical students from under-represented minority groups, role: **Principal Investigator**, 7/1/20-8/31/20, \$12,285.
41. F32HD100020 (Huffhines, PI) “Emotional and Physiological Regulation Linking Child Maltreatment to Health Risk,” role: **Co-Mentor**, 6/28/20-6/27/22.
42. R25MH101076-06A1S1 Supplement to “Promoting Research Training During Psychiatry Residency,” to support a summer research fellowship in psychiatry for medical students from under-represented minority groups, role: **Principal Investigator**, 7/1/21-8/31/21, \$13,340.

43. Hasbro / Bradley Pilot Clinical Research Awards “Childhood Adversity, Mitochondrial DNA Deletions, and Metabolic Syndrome,” role: **Multiple Principal Investigator**, 4/1/21-3/31/23, \$25,000.
44. 2R25MH101076-06A1S1 Supplement to “Promoting Research Training During Psychiatry Residency,” to support a summer research fellowship in psychiatry for medical students from under-represented minority groups, role: **Principal Investigator**, 7/1/22-8/31/22, \$16,200.

UNIVERSITY TEACHING ROLES

2004-2020	<i>Course Director</i> , Interviewing Seminar, Brown Medical School Department of Psychiatry and Human Behavior, PG1 Residents
2003-2004	<i>Course Director</i> , Introduction to Psychiatric Literature, PGY 1 Residents
2003-2018	<i>Lecturer</i> , Psychopharmacology of Mood Disorders Lectures, Brown Department of Psychiatry and Human Behavior Residency Program, PGY 1-4 Residents
2003-present	Lecturer, Psychopathology of Mood Disorders Lectures, Brown Department of Psychiatry and Human Behavior Residency Program, PGY 1-4 Residents
2004-present	<i>Grant Reviewer</i> , Grantwriting Workshop, Brown Department of Psychiatry and Human Behavior Postdoctoral Research Fellowship Program
2007	<i>Preceptor</i> , Morbidity and Mortality Conference, Brown Department of Psychiatry and Human Behavior Residency Program, PGY 1-4
2006-2008	<i>Course Director and Instructor</i> , Principles of Biostatistics, Brown Department of Psychiatry and Human Behavior Postdoctoral Research Fellowship Program
2012-2017	<i>Module Coordinator</i> , Mood Disorders Module, Brown Medical School Department of Psychiatry and Human Behavior, Psychiatry Residency Program
2017-2019	<i>Module Co-Coordinator</i> , Trauma Module, Brown Medical School Department of Psychiatry and Human Behavior, Psychiatry Residency Program
2015-2017	<i>Co-Director</i> , NIMH R25 Research Training Program, Department of

	Psychiatry and Human Behavior, Warren Alpert Medical School
2017-present	<i>Director</i> , NIMH R25 Research Training Program, Department of Psychiatry and Human Behavior, Warren Alpert Medical School
2017-2022	<i>Seminar Co-Director</i> , R25 Adult Psychiatry Residency Research Training Program
2022-present	<i>Seminar Co-Director</i> , Adult and Child/Adolescent R25 Psychiatry Research Training Program
2018-present	<i>Director</i> , Summer Research Fellowship for Under-Represented Minority Medical Students
2018-present	<i>Lecturer</i> , Brown Basic and Translational Research (BTR) Program,
2018	<i>Lecturer</i> , Bench to Bedside Lecture Series Carney Institute for Brain Science, Brown University
2019-present	<i>Lecturer</i> , Alpert Medical School of Brown University, Brain Sciences Course, “Neurobiology of Trauma and Stress”
2022-present	<i>Co-Director</i> , Centers of Biomedical Research Excellence on Stress, Trauma, and Resilience (STAR COBRE) Grantwriting Seminar,

HOSPITAL TEACHING ROLES

2003-2007	<i>Supervisor/Preceptor</i> , 3rd- and 4th-year Brown medical students
2003-2007	Supervisor, Brown psychiatry residents (Inpatient; PGY-1 - PGY-4)
2003-2015	<i>Physician-on-Call Supervisor</i> , Butler Hospital Patient Assessment Service
2003-2015	<i>Supervisor</i> , Brown psychiatry residents (Outpatient, PG-3)
2012-present	<i>Supervisor</i> , Butler Hospital Transcranial Magnetic Stimulation Clinic

RESEARCH MENTORING

Name	Mentorship Period	Prior Academic Degree(s)	Mentorship Position	Current Position
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Megan Kelly	2005-2007	PhD	Postdoctoral Research Fellow Mentor	Associate Professor, Dept of Psychiatry, U Mass Chan Medical School
Ryan Haggerty	2006-2007	B.A.	Dissertation Committee Member, Suffolk U, Dept of Psychology	Clinical Psychologist
Lamya Khoury	2007-2008	Undergraduate	Senior Honors Thesis Mentor	MD, MPH in clinical medicine
Caroline Schepker	2009-2010	Undergraduate	Senior Honors Thesis Mentor	DO in clinical medicine
Noah Philip	2009-2011	M.D.	Psychiatry Resident, T32 Post-doctoral Research Fellow, Co-Mentor	Professor, Dept of Psychiatry and Human Behavior, Alpert Medical School of Brown University
Stephanie Parade	2010-2012	Ph.D.	T32 Post-Doctoral Psychology Fellow Research Co-Mentor	Associate Professor, Dept of Psychiatry and Human Behavior, Alpert Medical School of Brown University
Kimberly Chipetine	2011-2012	Undergraduate	Senior Honors Thesis Mentor, Brown Cognitive, Linguistic, Psychological Sciences Dept	DO, clinical medicine
Madhavi Reddy	2012-2013	Ph.D.	Assistant Professor Research Co-Mentorship	Associate Professor, Walter Reed Army Institute of Research
Kathryn Ridout	2013-2017	M.D., Ph.D.	Mentor, R25 Brown Psychiatry Research Training Program	Director of Research, Kaiser Permanente Family Medicine Residency, San Jose
Andrew Novick	2015-2019	M.D., Ph.D.	Mentor, R25 Brown Psychiatry Research Training Program	Assistant Professor, University of Colorado School of Medicine

Lindsay Gantz	2016	Undergraduate	Mentor, Undergraduate Research, Brown Cognitive, Linguistic, Psychological Sciences Dept	Journalist
Mizan Gaillard	2017-2018	Undergraduate	Honors Thesis Mentor, Brown Department of Neuroscience	Medical Student, Oregon Health & Science University
Mateus Levandowski	2015-2016	Graduate student	Graduate Thesis Mentor, Pontificia Universidade Catolica do Rio Grande do Sul, Porto Alegre, Brazil	Assistant Professor, Universidade Federal de Pelotas
Lindsay Huffhines	2017-2019	Graduate student	F31 Research Co- Mentor	Assistant Professor, Brown Dept of Psychiatry and Human Behavior
Lindsay Huffhines	2020-2021	Ph.D.	F32 Research Co- Mentor	Assistant Professor, Brown Dept of Psychiatry and Human Behavior
Teresa Daniels	2017-2020	MD, MS	Mentor, R25 Brown Psychiatry Research Training Program	STAR T32 Postdoctoral Research Fellowship; Child and Adolescent Psychiatry Clinical Fellowship
Teresa Daniels	2020-present	MD, MS	STAR T32 Postdoctoral Research Fellowship	STAR T32 Postdoctoral Research Fellowship; Child and Adolescent Psychiatry Clinical Fellowship
Rebekah Lee	2017-2018	Undergraduate	Undergraduate Research Project Mentor	Medical Student, Columbia University
Justin Parent				
Emily Zitkovsky	2018-2020	Undergraduate	Undergraduate Honors Thesis	Medical Student, Alpert Medical

			Mentor, Brown Dept of Neuroscience	School of Brown University
Emily Zitkovsky	2020-current	B.S.	Medical Student Research Mentor	Medical Student, Alpert Medical School of Brown University
Danielle Charles-Chauvet	Summer 2018	B.A.	Medical Student Scholarly Concentration Research Mentor	Emergency Medicine Resident
Daniel Riojas	2018-2020	Undergraduate	Honors Thesis Mentor, Brown Dept of Cognitive, Linguistic, and Psychological Sciences	Graduate Student, University of Texas, Austin School of Social Work
Alyssa Kohn	2018-2019	B.A.	Medical Student Research Supervisor	Internal Medicine
Elizabeth Olsen	2018-2019	M.D.	R25 Brown Psychiatry Research Training Program Mentor	Brown R25 and Child and Adolescent Psychiatry Fellowship
Destiny Price	Summer 2019	B.A.	Brown Summer Research Fellowship Mentor	Psychiatry Resident, Columbia University
Samantha Wong	2018-2021	Undergraduate	Undergraduate Honors Thesis Mentor, Brown Department of Neuroscience	Medical Student, New York University School of Medicine
Amber Parson	2018-2022	Undergraduate	Undergraduate Honors Thesis Mentor, Brown University School of Public Health	Medical school applicant
Jesse Coe	2018-2020	Ph.D.	Postdoctoral Research Fellow Co-Mentor	Behavioral Scientist, Research and Evaluation Branch, Division of Violence Prevention, CDC
Jesse Coe	2020-2021	Ph.D.	STAR T32 Postdoctoral Research Fellow Co-Mentor	Behavioral Scientist, Research and Evaluation

				Branch, Division of Violence Prevention, CDC
Blessed Sheriff	Summer 2020	B.A.	Brown Summer Research Fellowship Mentor	Medical Student, Alpert Medical School of Brown University, MPH Student, Johns Hopkins Bloomberg School of Public Health
William Lewis-de los Angeles	2020-Present	M.D.	Early-Career Faculty Mentor	Assistant Professor, Department of Pediatrics, Warren Alpert Medical School of Brown University
Daneva Moncreiffe	2020-2021	Undergraduate	Honors Thesis Mentor, Brown Dept of Cognitive, Linguistic, and Psychological Sciences	Medical school applicant
E. Whitney Evans	2020-present	Ph.D.	Centers of Biomedical Research Excellence on Stress, Trauma, and Resilience (STAR COBRE), Project Leader Research Mentor	Assistant Professor, Dept of Psychiatry and Human Behavior, Warren Alpert Medical School of Brown University
Chrystal Vergara-Lopez	2020-Present	Ph.D.	Centers of Biomedical Research Excellence on Stress, Trauma, and Resilience (STAR COBRE), Project Leader Research Co-Mentor	Assistant Professor, Dept of Psychiatry and Human Behavior, Warren Alpert Medical School of Brown University
Shufang Sun	2019-Present	Ph.D.	K23 Award Co-Mentor	Assistant Professor, Behavioral and Social Sciences, Brown University

				School of Public Health
Silvie Rosalie Ruigrok	2021	Ph.D.	Dissertation Committee Member	Postdoctoral Researcher, Ecole Polytechnique Federale de Lausanne, Switzerland
Brie Reid	2021-2023	Ph.D.	STAR T32 Postdoctoral Research Fellow, Co-Mentor	K99/R00 Fellow, Dept of Psychiatry and Human Behavior, Warren Alpert Medical School of Brown University
Meghan Kulak	2022-	MD	Mentor, R25 Brown Psychiatry Research Training Program	R25 Brown Psychiatry Research Training Program
Karen Jennings Mathis	2023-	PhD, APRN-CNP	STAR COBRE Project Lead Mentor	Assistant Professor, University of Rhode Island College of Nursing