

**The Faculty of Medicine of Harvard University  
Curriculum Vitae**

**Date Prepared:** February 2025  
**Name:** Taylor Burke  
**Office Address:** 55 Fruit Street, Boston, MA 02114  
**Work Phone:** 516-680-9250  
**Work Email:** tburke17@mgh.harvard.edu

**Education:**

08/2007- 05/2011	B.A.	Psychology and Philosophy	Duke University
08/2013- 08/2019	Ph.D.	Clinical Psychology (PI: Lauren Alloy, Ph.D.)	Temple University
07/2018- 06/2019	Pre-doctoral Internship	Clinical Child Psychology Track	Alpert Medical School of Brown University

**Postdoctoral Training:**

07/19-03/21	Postdoctoral Fellow	T32 in Child Mental Health (Research Mentors: Anthony Spirito, Ph.D., Richard Liu, Ph.D.)	Alpert Medical School of Brown University
-------------	------------------------	--	--

**Faculty Academic Appointments:**

04/21-07/21	Research Scientist	Department of Psychiatry and Human Behavior	Alpert Medical School of Brown University
08/21-03/22	Member of the Faculty	Psychiatry	Harvard Medical School
04/22-	Assistant Professor	Psychiatry	Harvard Medical School

**Appointments at Hospitals/Affiliated Institutions:**

08/21-	Psychologist	Psychiatry	Massachusetts General Hospital
05/22-	Psychologist	Psychiatry	Salem Hospital

**Major Administrative Leadership Positions:**

**Local**

2021-	Director of Pediatric Computational Health	Division of Child and Adolescent Psychiatry and the Center for
-------	--	---

		Precision Psychiatry Massachusetts General Hospital
2021-	Associate Director of Suicide Research	Division of Child and Adolescent Psychiatry Massachusetts General Hospital

### **Committee Service:**

#### **Local**

2011-2019	Alumni Admissions Advisory Committee 2011-2019	Duke University Interviewer
2015-2016	Psychology Department Awards Committee 2015-2016	Temple University Student Chair
2016-2018	Clinical Psychology Doctoral Student Consortium 2016-2018	University of Pennsylvania/Drexel University/Temple University Co-Founder
2024-	Clinical Psychology Internship Program	Massachusetts General Hospital Research Supervisor

#### **National**

2020-2021	Dissertation committee	Rutgers University External committee member
2024-2024	Dissertation committee	Temple University External committee member

### **Professional Societies:**

2013-	American Psychological Association	
2013-	Association for Behavioral and Cognitive Therapies	
2013-	Association for Behavioral and Cognitive Therapies: Suicide and Self-Injury 2015-2022	Treasurer
2013-	International Academy of Suicide Research	
2015-	Association for Psychological Science	
2019-	International Society for the Study of Self Injury	
2021-	Youth Suicide Research Consortium	

**Grant Review Activities:**

2021	Icelandic Research Fund	Ad hoc Reviewer
2024	UK MQ US Fellows Award	Ad hoc Reviewer

**Editorial Activities:****Ad hoc Reviewer**

*American Journal of Preventive Medicine*  
*American Journal of Psychiatry*  
*Anxiety, Stress, and Coping*  
*Archives of Suicide Research*  
*Assessment*  
*Child and Adolescent Mental Health*  
*Clinical Child Psychology and Psychiatry*  
*Clinical Psychological Science*  
*Crisis*  
*Development and Psychopathology*  
*JAMA Pediatrics*  
*Journal of Abnormal Child Psychology*  
*Journal of Affective Disorders*  
*Journal of Clinical Psychiatry*  
*Journal of Clinical Psychology*  
*Journal of Consulting and Clinical Psychology*  
*Journal of Nervous and Mental Disease*  
*Journal of Psychopathology and Clinical Science*  
*Journal of Research on Adolescence*  
*Journal of the American Academy of Child and Adolescent Psychiatry*  
*Pediatrics*  
*Psychiatry Research*  
*Psychological Medicine*  
*Stigma and Health*  
*Suicide and Life-Threatening Behavior*

**Honors and Prizes:**

2007-2011	Dean's List	Duke University	Academics
2009	Psi Chi	National Honor Society in Psychology	Academics

2011	Degree Honors, Magna Cum Laude	Duke University	Academics
2013-2015	University Research Assistantship	Temple University	Research
2013-2017	Travel Awards	Department of Psychology, Temple University	Research
2015-2017	Commendation of Excellence	Department of Psychology, Temple University	Received commendations of excellence by the faculty in recognition of achievement in research, coursework, and professionalism.
2016	Training Award	Bolton Fund, Temple University	Awarded scholarship to statistical workshop.
2016	Beck Institute Student Scholarship Competition	Beck Institute	Clinical
2016	Honorable Mention	APA Scott Mesh Honorary Grant for Research in Psychology	Research
2017	Exploratory Data Mining Workshop Travel Award	University of Michigan	Research
2017	JCCAP Future Directions Launch Award	Journal of Clinical Child and Adolescent Psychology	Received Journal of Clinical Child and Adolescent Psychology award recognizing the “best and brightest scientists-in-training.”
2017	Training Day Travel Award	Military Suicide Research Training Consortium	Research
2017	Student Poster Award	American Association of Suicidology	Research
2022	Rising Star Award	Association of Behavioral and Cognitive Therapies - Suicide and Self-Injury Special Interest Group	Research
2024	Rising Star Award	International Society for the Study of Self-Injury	ISSS Rising Stars are dedicated early-career researchers, clinicians, or advocates whose work demonstrates potential

2025	Rising Star Award	Association for Psychological Science	and commitment to make a significant contribution to the field and to the lives of people with lived experience. This award recognizes researchers whose innovative work has already advanced the field and signals great potential for their continued contributions.
------	-------------------	---------------------------------------	--

## **Report of Funded and Unfunded Projects**

### **Past**

2015-2018	The dual system model of neurodevelopment, pubertal status, and sleep/wake cycle in risk taking behavior among socioeconomically diverse adolescents National Science Foundation; Graduate Research Fellowship Principal Investigator The purpose of this training grant was to investigate the role of sleep, cognitive, and affective risk factors in the proximal prediction of nonsuicidal self-injury.
2018-2019	Using exploratory data mining to enhance prediction of suicide risk among youth in medical care settings University of Michigan; James N. Morgan Fund for New Directions in Analysis of Complex Interactions Principal Investigator The purpose of this grant was to facilitate secondary data analysis of electronic medical record data to predict suicide risk among youth using exploratory data mining methods.
2019-2021	Research training in child mental health NIMH; T32 MH019927 Postdoctoral Fellow This program trains PhD and MD postdoctoral fellows to carry out independent research in departments of child and adolescent psychiatry while gaining training in grant writing, analysis, and design of research studies.
2019-2023	Temporal dynamics of stress, sleep, and arousal in short-term risk for adolescent suicidal behavior NIMH; RF1 MH120830 Co-Investigator (PI: Liu) The purpose of this grant was to clarify the interaction between executive functioning and time-varying effects of stress and sleep irregularity on proximal risk for suicidal ideation and events in a large, high-risk adolescent sample.
2020-2021	Connect-19 University of Wisconsin; SMAHRT Grant Co-Investigator (PI: Ranney) The purpose of this grant was to characterize perceived and objective COVID-19-related changes in technology use activity, duration, timing, and reasons for use, as

well as their impact on social and emotional risk and resiliency among youth.

2021-2024      The intersection of sleep and circadian timing with social media use, thoughts about self, and suicidal ideation in youth  
COBRE Center for Sleep and Circadian Rhythms in Child and Adolescent Mental Health at Bradley Hospital  
Co-Investigator (PI: Kudinova)  
The purpose of this grant was to advance what is known about the cycle of sleep and circadian timing—teens’ internal clocks— nighttime social media use, and feeling critical and unkind toward self in the context of youth suicide risk. The study capitalizes on validated circadian timing and sleep measures and granular, ecologically valid assessments of self-critical rumination, social media use, and suicidal ideation to clarify mechanisms driving sleep disturbance's association with suicide risk in youth.

2021-2023      Helping parents navigate child suicide risk  
Mental Research Institute  
Co-Investigator (PI: Fox)  
The purpose of this grant was to better understand guardians’ experiences learning that their child may be at risk for suicide or self-harm. Results will inform the development of a digital intervention for guardians aimed at helping guardians keep their children safe while managing their own emotional reactions, maintaining relationships, and maximizing child autonomy. After intervention development, a randomized control trial will be conducted to assess its efficacy.

## **Current**

2021-2026      Passive assessment of behavioral warning signs for suicide risk in adolescents: An idiographic approach  
NIMH; K23 MH126168 (funded on first submission)  
Principal Investigator (\$906,000)  
The goal of this project is to employ mobile sensing and actigraphy to assess whether objectively and passively measured acute behavioral changes from typical patterns of social engagement, sleep, and physical activity indicate proximal risk for increases in suicidal ideation using idiographic n-of-1 models in high-risk adolescents.

2021-2025      Leveraging computer vision to augment suicide risk prediction  
NIMH; R21 MH127231  
Multi-Principal Investigator: Burke/Serre (\$472,138)  
This project aims to utilize computer vision techniques to automate the assessment of self-injury visual severity and determine the utility of these visual signals in predicting prospective suicide attempt risk.

2021-2025      Evaluating the predictive validity of computational markers of self-injury among high-risk youth  
American Foundation for Suicide Prevention; YIG-1-030-20  
Principal Investigator (\$90,000)  
The objective of this study is to extend ongoing research supported by a National Institute of Mental Health-funded R21 aimed at utilizing computer vision techniques to automate the assessment of self-injury visual severity indicators and to determine the utility of these visual signals in predicting suicide risk. This study will fund the

recruitment of a sample of psychiatrically hospitalized adolescents followed prospectively. One month after psychiatric hospitalization discharge, adolescents will be assessed for prospective engagement in suicide attempts.

- 2022-2025      Multimodal dynamics of parent-child interactions and suicide risk  
NIMH; R21 MH130767  
Multi-Principal Investigator: Liu/Burke (\$480,707)  
This study aims to characterize synchrony within the dynamics of a parent-child conflict task and to evaluate whether acoustic and visual behavioral markers of arousal synchrony, respectively are associated with prospective suicide risk.
- 2022-2025      Improving momentary suicide risk identification through adaptive time sampling  
NIMH; R21 MH131978  
Consultant (MPIs: Jacobucci, Ammerman)  
This study aims to (1) develop a novel, adaptive time assessment system that more efficiently and accurately identifies when an individual is at highest risk for suicidal ideation; and (2) advance the understanding of suicidal ideation and its theoretically-informed proximal risk factors at finer timescales.
- 2024-2027      Helping guardians navigate youth suicide risk: Development and piloting of a brief digital intervention  
NIMH; R34 MH138716 (funded on first submission)  
Multi-Principal Investigator: Fox/Burke (\$711,844)  
This study aims to develop and test a single session intervention with and without a just-in-time intervention for parents of pre- and early adolescents targeting parental emotion regulation, validation, and suicide-specific monitoring skills. Results of this clinical trial seek to support parents in responding effectively to digital monitoring app-generated suicide risk alerts, thereby decreasing child suicide risk.

### **Pending**

- 2025-2030      Enhancing suicide risk detection through computer vision: A novel approach to tissue damage analysis in emergency care  
NIMH; R01 MH140004 (Percentile = 1.0)  
Principal Investigator: Burke  
This study aims to assess the application of computer vision techniques to images of skin tissue taken in the ED to detect the presence and severity of self-injury tissue damage and evaluate its utility in predicting prospective SA risk among youth and young adults. This study will further assess whether this technology can augment extant EHR-based suicide risk assessment algorithms and be meaningfully additive to ongoing efforts to develop AI-powered care models in hospital systems.
- 2025-2030      A mechanistic analysis of the transition from nonsuicidal to suicidal self-injury in adolescent girls  
NIMH; R01 MH138469  
Multi-Principal Investigator: Burke/Ammerman  
This study aims to identify the underlying mechanisms of the relationship between NSSI, the single strongest predictor of suicide attempts, and SA among adolescent girls.

2025-2030      Harnessing screenomics and personalized feedback to address adolescent suicide risk  
 NIMH; R01 MH142312  
 Co-Investigator (PI: Ammerman)  
 The primary objective of this proposal is to address the rise of suicide rates among adolescents by leveraging innovative technology (i.e., screenshots) to examine the nuanced role of social media.

## **Training Grants and Mentored Trainee Grants**

2019–2022      Leveraging mobile health (mHealth) technologies to predict adolescent risky behavior  
 National Science Foundation Graduate Research Fellowship  
 Rachel Walsh  
 This grant adopted ambulatory assessments of sleep and neurocognitive indices of impulsivity to predict short-term risk for risk-taking behaviors in adolescents.

2020–2023      Temporal dynamics of acute stress and impulsivity as prospective predictors of risky behaviors in adults  
 National Science Foundation Graduate Research Fellowship  
 Ana Sheehan  
 The project employed ambulatory assessments of physiological and behavioral changes associated with risk-taking behavior.

2020–2023      Using tDCS to clarify the neural underpinnings of binge-eating behaviors in obese teens  
 National Science Foundation Graduate Research Fellowship  
 Christina Sanzari  
 This grant aimed to apply tDCS to interrogate the neural circuitry underlying binge-eating tendencies in obese adolescents.

2022–2024      Examining the interplay of negative social experiences and self-criticism on suicide risk in the lab and daily life  
 NIMH F32 MH131285 (funded on first submission)  
 Lauren Haliczzer  
 This project assessed how the interrelationship between social stressors and self-criticism are associated with suicide risk in an acute inpatient sample.

2022–2025      Identifying physiological and behavioral indices of risk for negative outcomes in preadolescents following trauma exposure  
 National Science Foundation Graduate Research Fellowship  
 Rachel Levin  
 This project aims to apply ambulatory assessments of sleep and physiological reactivity in predicting negative behavioral outcomes in preadolescent children following exposure to traumatic events.

2024–2027      Evaluating psychosocial and physiological stress reactivity as indices of risk for negative academic and behavioral outcomes in gender minority adolescents: The impact of gender minority stress  
 National Science Foundation Graduate Research Fellowship  
 Margarid Turnamian  
 This project examines gender minority stress and physiological reactivity in relation to negative academic and disciplinary outcomes in adolescents.



2024-2025 Sleep disturbance and emotion dysregulation among adolescents during inpatient psychiatric hospitalization  
Sleep Research Society  
Rachel Walsh  
This project aims to assess the association between sleep disturbance via actigraphy and emotion dysregulation during inpatient psychiatric hospitalization and post-discharge suicidal ideation severity among adolescents.

### **Report of Local Teaching and Training**

#### **Teaching of Students in Courses:**

2014-2014	Abnormal Psychology Undergraduate students	Temple University 10 hours / week for 8 weeks
2014-2018	Suicide Risk and Child Abuse Training Research assistants and graduate students	Temple University 10 hours / year
2016-2016	Child Psychopathology & Treatment Undergraduate students	Temple University 9 hours / week for 1 semester

#### **Clinical Supervisory and Training Responsibilities:**

2020-2021	Clinical supervisor on study examining CBT and exposure and response prevention for youth with OCD or anxiety Research assistants	Bradley Hospital 1 hour / week
-----------	--	-----------------------------------

#### **Research Supervisory and Training Responsibilities:**

2016-2019	Supervision of research assistants (2-3 research assistants per year) Research assistants	Temple University 2 hours / week
2020-2021	Served as advisor for master's thesis Graduate student	Brown University 0.25 hours / week
2020-2021	Served as advisor for undergraduate's thesis Undergraduate student	Brown University 0.25 hours / week
2021-	Supervision of research assistants (3-5 research assistants per year)	Massachusetts General Hospital 2 hours / week
2022-	Supervision of doctoral student	Imperial College London 1:1 supervision 1 hour/month/student

2022-	Supervision of post-doctoral research fellows (1 fellow per year)	Massachusetts General Hospital 1:1 supervision .5 hour/week/fellow
2024-	Supervision of pre-doctoral interns fellows (2 fellows per year)	Massachusetts General Hospital 1:1 supervision .5 hour/week/fellow
2024-	Supervision of pre-doctoral intern fellows (1 fellow per year)	University of Chicago Illinois 1:1 supervision .5 hour/month/fellow
2025-	Supervision of early career faculty (1 faculty member)	Massachusetts General Hospital 1:1 supervision 1 hour/month/faculty

#### **Other Mentored Trainees and Faculty:**

2014-2016	Katie Scopelleti, PsyD / Doctorate in clinical psychology, George Washington University Career stage: undergraduate. Mentoring role: research mentor. Accomplishments: co-authored paper in Behavior Therapy.	
2014-2016	Jaclyn DeFinis, BA / Doctoral student, Drexel University Career stage: undergraduate. Mentoring role: research mentor. Accomplishments: co-authored a poster presentation.	
2014-2016	Victoria McLaughlin, BA / Master's Student, University of Pennsylvania Career stage: undergraduate. Mentoring role: research mentor. Accomplishments: co-authored a poster presentation.	
2016-2023	David Siegel, MA / Doctoral student in clinical psychology, Rutgers University Career stage: research assistant, doctoral student. Mentoring role: research mentor, dissertation committee member. Accomplishments: published first-authored paper of mentored research in Anxiety, Stress, & Coping; co-authored five papers; obtained admission to doctoral program in clinical psychology.	
2018-2019 2024-	Rachel Walsh / Doctoral student, Temple University Career stage: research assistant. Mentoring role: research mentor. Rachel Walsh / Postdoctoral fellow, Massachusetts General Hospital Career stage: pre-doctoral intern. Mentoring role: research mentor. Accomplishments: National Science Foundation grant.	
2018-2019 2024-	Ana Sheehan / Doctoral student, University of Delaware Career stage: research assistant. Mentoring role: research mentor. Ana Sheehan / Postdoctoral fellow, Massachusetts General Hospital Career stage: pre-doctoral intern. Mentoring role: research mentor. Accomplishments: National Science Foundation grant.	
2018	Brittany John, BA / Research Assistant, Beck Institute Career stage: undergraduate. Mentoring role: research mentor. Accomplishments: completed senior capstone thesis.	

2019	Christina Sanzari / Doctoral student, University at Albany Career stage: research assistant. Mentoring role: research mentor. Accomplishments: National Science Foundation grant.
2020-2021	Jeannie Le, MPH / Brown University Career stage: graduate student. Mentoring role: research mentor. Accomplishments: completed master's thesis.
2020-2021	Amalia Bay, BA / Brown University Career stage: undergraduate. Mentoring role: research mentor. Accomplishments: completed undergraduate thesis.
2020-2022	Anna Workman, BA / The City College of New York Career stage: research assistant. Mentoring role: research mentor. Accomplishments: gained entry into doctoral program.
2020-2022	Rachel Levin, BA / University of Rochester Career stage: research assistant. Mentoring role: research mentor. Accomplishments: National Science Foundation grant.
2020-2024	Margarid Turnamian, BA / University of Southern California Career stage: research assistant. Mentoring role: research mentor. Accomplishments: National Science Foundation grant; award for poster at the Association for Behavioral and Cognitive Therapies; Mary “Kay” Ryan Award for excellence in clinical research.
2021-	Anna Caltabiano, BA / Doctoral student at Imperial College London Career stage: undergraduate, doctoral student. Mentoring role: research mentor. Accomplishments: gained entry into doctoral program, received internal grant funding.
2021-2022	Eva Kuzyk, BS / Doctoral student in neuroscience at Icahn School of Medicine at Mount Sinai Career stage: research assistant. Mentoring role: research mentor. Accomplishments: first-author poster of mentored research presented at the Association of Behavioral and Cognitive Therapies.
2023-2024	Kaitlin Lord, BA / Doctoral student in clinical psychology, University of California, Irvine Career stage: research assistant. Mentoring role: research mentor. Accomplishments: National Science Foundation grant honorable mention; award for first-authored mentored research poster at the Association for Behavioral and Cognitive Therapies.
2022–2023	Jesús Hernández Ortiz, MA / Doctoral student in clinical psychology, George Mason University Career stage: research assistant. Mentoring role: research mentor. Accomplishments: AIM-AHEAD Research Fellowship Award; first-author poster of mentored research presented at the Association of Behavioral and Cognitive Therapies.

2022-2024	Lauren Haliczzer, PhD / Massachusetts General Hospital Career stage: postdoctoral fellow. Mentoring role: research mentor. Accomplishments: F32 funded on first submission.
2024-	Ellen Modlin / Massachusetts General Hospital Career stage: undergraduate. Mentoring role: research mentor.
2024-	Grace Ding, BA / Massachusetts General Hospital Career stage: research assistant. Mentoring role: research mentor. Accomplishments: gained admission to doctoral program.
2024-	Devika Goel, BA / Massachusetts General Hospital Career stage: research assistant. Mentoring role: research mentor.
2024-	Ethan Weires, BS / Massachusetts General Hospital Career stage: research assistant. Mentoring role: research mentor.
2024-	Yeonsoo Park, PhD / Massachusetts General Hospital Career stage: postdoctoral fellow. Mentoring role: research mentor. Accomplishments: submitted K99 NIMH grant (pending)
2025–	Amanda Collins, PhD / Member of the Faculty, Harvard Medical School Career stage: faculty. Mentoring role: faculty mentor.

#### **Local Invited Presentations:**

☒ *No presentations below were sponsored by 3<sup>rd</sup> parties/outside entities*

2016	Ecological momentary assessment workshop / Guest Speaker Temple University
2016	Managing psychiatric risk / Clinical Psychology Colloquium Series / Guest Speaker Temple University
2016	Applying for a National Science Foundation Fellowship / Professional Development / Guest Lecturer Temple University
2016	Attaining entry to a clinical psychology doctoral program / Careers in Psychology / Guest Lecturer Temple University
2022	Identifying youth at risk for suicidal ideation and behavior / Guest Speaker Center for Digital Mental Health, Massachusetts General Hospital
2024	Leveraging computer vision to augment suicide risk prediction (invited presentation), Dr. Matthew Nock's Lab, Harvard University, Boston, MA

#### **Report of Regional, National and International Invited Teaching and Presentations**

☒ *No presentations below were sponsored by 3<sup>rd</sup> parties/outside entities*

## **Regional**

2021      Passive assessment of behavioral warning signs for suicide risk in adolescents:  
An idiographic approach (invited presentation)  
Center for Precision Psychiatry, Massachusetts General Hospital  
Boston, MA.

## **National**

2015      Non-suicidal self-injury prospectively predicts interpersonal stressful life events  
and depressive symptoms among adolescent girls (co-chair of selected oral  
symposium)  
Association of Behavioral and Cognitive Therapies annual meeting  
Chicago, IL

2017      Using exploratory data mining to compare importance of risk factors in predicting  
recent versus former history of non-suicidal self-injury (co-chair of selected oral  
symposium)  
Association of Behavioral and Cognitive Therapies annual meeting  
San Diego, CA

2017      Scarring secondary to nonsuicidal self-injury (invited panelist in selected oral  
symposium)  
American Association of Suicidology conference  
Phoenix, AZ

2017      Identifying the relative importance of non-suicidal self-injury features in  
predicting suicidal ideation and behavior using exploratory data mining (selected  
oral abstract)  
American Association of Suicidology conference  
Phoenix, AZ

2019      Emotional response inhibition interacts with momentary negative affect to predict  
nonsuicidal self-injury urges (invited panelist in selected oral symposium)  
American Association of Behavioral and Cognitive Therapies annual meeting  
Atlanta, GA

2020      Nonsuicidal self-injury scar concealment from the self and others: Prevalence,  
Correlates, and Implications (invited panelist in selected oral symposium)  
American Association of Behavioral and Cognitive Therapies annual meeting  
Philadelphia, PA

2023      Leveraging computer vision to augment suicide risk prediction (invited  
presentation), Child & Adolescent Psychiatry Department, John's Hopkins,  
Baltimore, MD

2024      Leveraging computer vision to augment suicide risk prediction (invited  
presentation), Digital Mental Health @ Penn, University of Pennsylvania  
Medical School, Philadelphia, PA

2024                      Employing computer vision to objectively assess the severity of self-injury to augment suicide risk prediction (co-chair of symposium)  
American Association of Behavioral and Cognitive Therapies annual meeting  
Philadelphia, PA

## **International**

2019                      Trait and state self-critical and self-punishment cognitions and nonsuicidal self-injury (invited panelist in selected oral symposium)  
IASR/AFSP International Summit on Suicide Research  
Miami, FL

2021                      Sociodemographic, diagnostic and suicide-related associations with nonsuicidal self-injury onset and history in a U.S. nationally representative study of preadolescents (invited panelist in selected oral symposium)  
IASR/AFSP International Summit on Suicide Research  
Barcelona, Spain

2024                      Employing computer vision to objectively assess the severity of self-injury among adolescents (invited talk)  
International Society for the Study of Self-Injury  
Toronto, Canada

## **Report of Clinical Activities and Innovations**

### **Past and Current Licensure and Board Certification:**

2019–                      Licensed Psychologist, Rhode Island

2020–                      Licensed Psychologist, Massachusetts

## **Report of Scholarship**

### **Peer-Reviewed Scholarship in print or other media:**

#### **Research Investigations**

\*indicates co-first or co-senior authorship \*\*indicates student/trainee

1. Wolff J, Frazier EA, Esposito-Smythers C, **Burke T**, Sloan E, Spirito A. Cognitive and social factors associated with NSSI and suicide attempts in psychiatrically hospitalized adolescents. *J Abnorm Child Psychol*. 2013 Aug;41(6):1005-1013. doi: 10.1007/s10802-013-9743-y. PMID: 23588400; PMCID: PMC3708992.
2. Wolff JC, Frazier EA, Esposito-Smythers C, Becker SJ, **Burke TA**, Cataldo A, Spirito A. Negative cognitive style and perceived social support mediate the relationship between aggression and NSSI in hospitalized adolescents. *J Adolesc*. 2014 Jun;37(4):483-491. doi: 10.1016/j.adolescence.2014.03.016. PMID: 24793396; PMCID: PMC4404148.
3. Stange JP, Hamilton JL, **Burke TA**, Kleiman EM, O'Garro-Moore JK, Seligman ND, Abramson LY, Alloy LB. Negative cognitive styles synergistically predict suicidal ideation in bipolar spectrum disorders: a 3-year prospective study.

- Psychiatry Res.* 2015 Mar 30;226(1):162-168. doi: 10.1016/j.psychres.2014.12.042. PMID: 25660736; PMCID: PMC4361270.
4. Daryanani I, Hamilton JL, Shapero BG, **Burke TA**, Abramson LY, Alloy LB. Differential reporting of adolescent stress as a function of maternal depression history. *Cognit Ther Res.* 2015;39(2):110-119. doi: 10.1007/s10608-014-9654-4. PMID: 25798018; PMCID: PMC4361769.
  5. Cohen JN, Stange JP, Hamilton JL, **Burke TA**, Jenkins A, Ong ML, Heimberg RG, Abramson LY, Alloy LB. The interaction of affective states and cognitive vulnerabilities in the prediction of non-suicidal self-injury. *Cogn Emot.* 2015;29(3):539-547. doi: 10.1080/02699931.2014.918872. PMID: 24853872; PMCID: PMC4241392.
  6. **Burke TA**, Stange JP, Hamilton JL, Cohen JN, O'GarroMoore J, Daryanani I, Abramson LY, Alloy LB. Cognitive and emotion-regulatory mediators of the relationship between behavioral approach system sensitivity and non-suicidal self-injury frequency. *Suicide Life Threat Behav.* 2015 Aug;45(4):495-504. doi: 10.1111/sltb.12145. PMID: 25443691; PMCID: PMC4452466.
  7. **Burke TA**, Hamilton JL, Abramson LY, Alloy LB. Non-suicidal self-injury prospectively predicts interpersonal stressful life events and depressive symptoms among adolescent girls. *Psychiatry Res.* 2015 Aug 30;228(3):416-424. doi: 10.1016/j.psychres.2015.06.021. PMID: 26165966; PMCID: PMC4540325.
  8. Stange JP, Connolly SL, **Burke TA**, Hamilton JL, Hamlat EJ, Abramson LY, Alloy LB. Inflexible cognition predicts first onset of major depressive episodes in adolescence. *Depress Anxiety.* 2016 Nov;33(11):1005-1012. doi: 10.1002/da.22513. PMID: 27093215; PMCID: PMC5071106.
  9. **Burke TA**, Hamilton JL, Cohen JN, Stange JP, Alloy LB. Identifying a physical indicator of suicide risk: Non-suicidal self-injury scars predict suicidal ideation and behavior. *Compr Psychiatry.* 2016 Feb;65:79-87. doi: 10.1016/j.comppsy.2015.10.008. PMID: 26773994; PMCID: PMC4715861.
  10. **Burke TA**, Hamilton JL, Ammerman BA, Stange JP, Alloy LB. Suicide risk characteristics among aborted, interrupted, and actual suicide attempters. *Psychiatry Res.* 2016 Aug 30;242:357-364. doi: 10.1016/j.psychres.2016.05.051. PMID: 27344029; PMCID: PMC5247268.
  11. **Burke TA**, Connolly SL, Hamilton JL, Stange JP, Abramson LY, Alloy LB. Cognitive risk and protective factors for suicidal ideation: A two year longitudinal study in adolescence. *J Abnorm Child Psychol.* 2016 Aug;44(6):1145-1160. doi: 10.1007/s10802-015-0104-x. PMID: 26597963; PMCID: PMC4877302.
  12. Ammerman BA, **Burke TA**, Alloy LB, McCloskey MS. Subjective pain during NSSI as an active agent in suicide risk. *Psychiatry Res.* 2016 Feb 28;236:80-85. doi: 10.1016/j.psychres.2015.12.028. PMID: 26747213; PMCID: PMC4760627.
  13. Ng TH, **Burke TA**, Stange JP, Walshaw PD, Weiss RB, Urosevic S, Abramson LY, Alloy LB. Personality disorder symptom severity predicts onset of mood episodes and conversion to bipolar I disorder in individuals with bipolar spectrum disorder. *J Abnorm Psychol.* 2017 Apr;126(3):271-284. doi: 10.1037/abn0000255. PMID: 28368159; PMCID: PMC5380154.
  14. Shapero BG, Weiss RB, **Burke TA**, Boland EM, Abramson LY, Alloy LB. Kindling of life stress in bipolar disorder: Effects of early adversity. *Behav Ther.* 2017 May;48(3):322-334. doi: 10.1016/j.beth.2016.12.003. PMID: 28390496; PMCID: PMC5385846.

15. Hamilton JL, **Burke TA**, Stange JP, Kleiman EM, Rubenstein LM, \*\*Scopelliti KA, Abramson LY, Alloy LB. Trait affect, emotion regulation, and the generation of negative and positive interpersonal events. *Behav Ther*. 2017 Jul;48(4):435-447. doi: 10.1016/j.beth.2017.01.006. PMID: 28577581; PMCID: PMC5600285.
16. **Burke TA**, Olinio TM, Alloy LB. Initial psychometric validation of the non-suicidal self-injury scar cognition scale. *J Psychopathol Behav Assess*. 2017 Sep;39(3):546-562. doi: 10.1007/s10862-017-9595-9. PMID: 28824225; PMCID: PMC5560444.
17. **Burke TA**, Ammerman BA, Hamilton JL, Alloy LB. Impact of non-suicidal self-injury scale: Initial psychometric validation. *Cognit Ther Res*. 2017 Feb;41(1):130-142. doi: 10.1007/s10608-016-9806-9. PMID: 28824214; PMCID: PMC5560622.
18. **Burke TA**, McArthur BA, Daryanani I, Abramson LY, Alloy LB. Latent classes of trait affect and cognitive affective regulation strategies are associated with depression, non-suicidal self-injury, and well-being. *J Affect Disord*. 2018 Jan 1;225:180-187. doi: 10.1016/j.jad.2017.08.015. PMID: 28837951; PMCID: PMC5663635.
19. \*\*Siegel DM, **Burke TA**, Hamilton JL, Piccirillo ML, Scharff A, Alloy LB. Social anxiety and interpersonal stress generation: the moderating role of interpersonal distress. *Anxiety Stress Coping*. 2018 Sep;31(5):526-538. doi: 10.1080/10615806.2018.1482723. PMID: 29855206; PMCID: PMC6344932.
20. McArthur B, Haas LM, **Burke TA**, Johnson LE, Olinio T, Abramson LY, & Alloy LB (2018). Understanding the constellation of adolescent emotional clarity and cognitive response styles when predicting depression: A latent class analysis. *Cognit Ther Res*. 2018;42:803-812. doi: 10.1007/s10608-018-9930-9. PMID: 33223584; PMCID: PMC7677924.
21. Liu RT, **Burke TA**, Abramson LY, Alloy LB. The Behavioral Approach System (BAS) Model of Vulnerability to Bipolar Disorder: Evidence of a Continuum in BAS Sensitivity across Adolescence. *J Abnorm Child Psychol*. 2018 Aug;46(6):1333-1349. doi: 10.1007/s10802-017-0363-9. PMID: 29101589; PMCID: PMC5934343.
22. **Burke TA**, Ammerman BA, Knorr AC, Alloy LB, McCloskey M. Measuring acquired capability for suicide within an ideation-to-action framework. *Psychol Violence*. 2018 Mar;8(2):277-286. doi: 10.1037/vio0000090. PMID: 29732237; PMCID: PMC5931728.
23. **Burke TA**, Jacobucci R, Ammerman BA, Piccirillo M, McCloskey MS, Heimberg RG, Alloy LB. Identifying the relative importance of non-suicidal self-injury features in classifying suicidal ideation, plans, and behavior using exploratory data mining. *Psychiatry Res*. 2018 Apr;262:175-183. doi: 10.1016/j.psychres.2018.01.045. PMID: 29453036; PMCID: PMC6684203.
24. Haas LM, McArthur BA, **Burke TA**, Olinio TM, Abramson LY, Alloy LB. Emotional clarity development and psychosocial outcomes during adolescence. *Emotion*. 2019 Jun;19(4):563-572. doi: 10.1037/emo0000452. PMID: 29781646; PMCID: PMC6249130.
25. Crawford EA, **Burke TA**, \*\*Siegel D, Jager-Hyman S, Alloy LB, Kendall PC. Somatic symptoms of anxiety and suicide ideation among treatment-seeking youth with anxiety disorders. *Suicide Life Threat Behav*. 2019 Jun;49(3):811-825. doi: 10.1111/sltb.12479. PMID: 29900567.



26. Ammerman BA, Serang S, Jacobucci R, **Burke TA**, Alloy LB, McCloskey MS. Exploratory analysis of mediators of the relationship between childhood maltreatment and suicidal behavior. *J Adolesc.* 2018 Dec;69:103-112. doi: 10.1016/j.adolescence.2018.09.004. PMID: 30286328.
27. Liu RT, McArthur BA, **Burke TA**, Hamilton JL, Mac Giollabhui N, Stange JP, Hamlat EJ, Abramson LY, Alloy LB. A Latent Structure Analysis of Cognitive Vulnerability to Depression in Adolescence. *Behav Ther.* 2019 Jul;50(4):755-764. doi: 10.1016/j.beth.2018.11.004. PMID: 31208685; PMCID: PMC6582994.
28. McArthur B, **Burke TA**, Connolly SL, Olinio TM, Lumley MN, Abramson LY, Alloy LB. A longitudinal investigation of cognitive self-schemas across adolescent development. *J Youth Adolesc.* 2019 Mar;48(3):635-647. doi: 10.1007/s10964-018-00981-1. PMID: 30612293; PMCID: PMC6391197.
29. Hamilton JL, Stange JP, **Burke TA**, Franzen PL, Alloy LB. Sleep disturbance and physiological regulation among young adults with prior depression. *J Psychiatr Res.* 2019 Aug;115:75-81. doi: 10.1016/j.jpsychires.2019.05.016. PMID: 31121395; PMCID: PMC6582965.
30. **Burke TA**, Piccirillo ML, Moore-Berg SL, Alloy LB, Heimberg RG. The stigmatization of nonsuicidal self-injury. *J Clin Psychol.* 2019 Mar;75(3):481-498. doi: 10.1002/jclp.22713. PMID: 30368804; PMCID: PMC6679979.
31. **Burke TA**, Fox K, Zerkowicz RL, Smith DMY, Alloy LB, Hooley JM, Cole DA. Does nonsuicidal self-injury prospectively predict change in depression and self-criticism? *Cognit Ther Res.* 2019 Apr;43(2):345-353. doi: 10.1007/s10608-018-9984-8. PMID: 33162625; PMCID: PMC7643856.
32. **Burke TA**, Ammerman BA, Jacobucci R. The use of machine learning in the study of suicidal and non-suicidal self-injurious thoughts and behaviors: A systematic review. *J Affect Disord.* 2019 Feb 15;245:869-884. doi: 10.1016/j.jad.2018.11.073. PMID: 30699872.
33. Piccirillo ML, **Burke TA**, Moore-Berg SL, Alloy LB, Heimberg RG. Self-Stigma Toward Nonsuicidal Self-Injury: An Examination of Implicit and Explicit Attitudes. *Suicide Life Threat Behav.* 2020 Oct;50(5):1007-1024. doi: 10.1111/sltb.12640. PMID: 32462657.
34. Case JAC, **Burke TA**, \*\*Siegel DM, Piccirillo ML, Alloy LB, Olinio TM. Functions of non-suicidal self-injury in late adolescence: A latent class analysis. *Arch Suicide Res.* 2020;24(sup2):S165-S186. doi: 10.1080/13811118.2019.1586607. PMID: 30856362; PMCID: PMC6739178.
35. Kautz MM, **Burke TA**, \*\*Siegel DM, Case J, Alloy LB. The role of reward sensitivity and childhood maltreatment in predicting nonsuicidal self-injury. *Suicide Life Threat Behav.* 2020 Dec;50(6):1250-1263. doi: 10.1111/sltb.12718. PMID: 33135809.
36. **Burke TA**, Ammerman BA, Hamilton JL, Stange JP, Piccirillo M. Nonsuicidal self-injury scar concealment from the self and others. *J Psychiatr Res.* 2020 Nov;130:313-320. doi: 10.1016/j.jpsychires.2020.07.040. PMID: 32871456.
37. Liu RT, Bettis AH, **Burke TA**. Characterizing the phenomenology of passive suicidal ideation: a systematic review and meta-analysis of its prevalence, psychiatric comorbidity, correlates, and comparisons with active suicidal ideation. *Psychol Med.* 2020;50:367-383.
38. Liu RT, Steele SJ, Hamilton JL, Do QBP, Furbish K, **Burke TA**, Martinez AP, Gerlus N. Sleep and suicide: A systematic review and meta-analysis of

- longitudinal studies. *Clin Psychol Rev*. 2020 Nov;81:101895. doi: 10.1016/j.cpr.2020.101895. PMID: 32801085; PMCID: PMC7731893.
39. Bettis AH, Thompson EC, **Burke TA**, Nesi J, Kudinova AY, Hunt JI, Liu RT, Wolff JC. Prevalence and clinical indices of risk for sexual and gender minority youth in an adolescent inpatient sample. *J Psychiatr Res*. 2020 Nov;130:327-332. doi: 10.1016/j.jpsychires.2020.08.022. PMID: 32877826; PMCID: PMC7554171.
  40. **Burke TA**, Nesi J, Domoff SE, Romanowicz M, Croarkin PE. Titrating social media use during adolescent inpatient psychiatric hospitalization. *J Am Acad Child Adolesc Psychiatry*. 2020 Sep;59(9):1007-1009. doi: 10.1016/j.jaac.2020.06.008. PMID: 32615152; PMCID: PMC8105959.
  41. **Burke TA**, Jacobucci R, Ammerman BA, Alloy LB, Diamond G. Using machine learning to classify suicide attempt history among youth in medical care settings. *J Affect Disord*. 2020 May 1;268:206-214. doi: 10.1016/j.jad.2020.02.048. PMID: 32174479.
  42. O'Loughlin C, **Burke TA**, Ammerman BA. Examining the time to transition from nonsuicidal self-injury to suicide attempt: A brief report. *Crisis*. 2021 Mar;42(2):157-161. doi: 10.1027/0227-5910/a000715. PMID: 32845177.
  43. Nesi J, **Burke TA**, Bettis AH, Kudinova AY, Thompson EC, MacPherson HA, Fox KA, Lawrence HR, Thomas SA, Wolff JC, \*\*Altemus MK, Soriano S, Liu RT. Social media use and self-injurious thoughts and behaviors: A systematic review and meta-analysis. *Clin Psychol Rev*. 2021;87:102038.
  44. Thompson EC, Thomas SA, **Burke TA**, Nesi J, MacPherson HA, Bettis AH, Kudinova AY, Affleck K, Hunt J, Wolff JC. Suicidal thoughts and behaviors in psychiatrically hospitalized adolescents pre- and post- COVID-19: A historical chart review and examination of contextual correlates. *J Affect Disord Rep*. 2021 Apr;4:100100. doi: 10.1016/j.jadr.2021.100100. PMID: 33558865; PMCID: PMC7845535.
  45. **Burke TA**, Fox K, Kautz MM, Rodriguez-Seijas C, Bettis AH, Alloy LB. Self-critical and self-punishment cognitions differentiate those with and without a history of nonsuicidal self-injury: An ecological momentary assessment study. *Behav Ther*. 2021 May;52(3):686-697. doi: 10.1016/j.beth.2020.08.006. PMID: 33990242.
  46. Lawrence HR, Nesi J, **Burke TA**, Liu RT, Spirito A, Hunt J, Wolff JC. Suicidal Mental Imagery in psychiatrically hospitalized adolescents. *Res Child Adolesc Psychopathol*. 2021 Mar;49(3):393-399. doi: 10.1007/s10802-020-00750-4. PMID: 33403495; PMCID: PMC8087180.
  47. Ammerman BA, **Burke TA**, Jacobucci R, McClure K. Preliminary investigation of the association between COVID-19 and suicidal thoughts and behaviors in the U.S. *J Psychiatr Res*. 2021 Feb;134:32-38. doi: 10.1016/j.jpsychires.2020.12.037. PMID: 33360222.
  48. Nesi J, **Burke TA**, Lawrence HR, MacPherson HA, Spirito A, Wolff JC. Online self-injury activities among psychiatrically hospitalized adolescents: prevalence, functions, and perceived consequences. *Res Child Adolesc Psychopathol*. 2021 Apr;49(4):519-531. doi: 10.1007/s10802-020-00734-4. PMID: 33404950; PMCID: PMC7988289.
  49. **Burke TA**, Allen KJD, Carpenter RW, \*\*Siegel DM, Kautz MM, Liu RT, Alloy LB. Emotional response inhibition to self-harm stimuli interacts with momentary negative affect to predict nonsuicidal self-injury urges. *Behav Res Ther*. 2021 Apr 18;142:103865. doi: 10.1016/j.brat.2021.103865. PMID: 33940222.

50. **Burke TA**, Fox K, Kautz M, \*\*Siegel DM, Kleiman E, Alloy LB. Real-time monitoring of the associations between self-critical and self-punishment cognitions and nonsuicidal self-injury. *Behav Res Ther*. 2021 Feb;137:103775. doi: 10.1016/j.brat.2020.103775. PMID: 33421892.
51. Titone MK, McArthur BA, Ng TH, **Burke TA**, McLaughlin LE, MacMullen LE Goel N, Alloy LB. Sex and race influence objective and self-report sleep and circadian measures in emerging adults independently of risk for bipolar spectrum disorder. *Sci Rep*. 2020 Aug 13;10:13731. doi: 10.1038/s41598-020-70750-3. PMID: 32792642; PMCID: PMC7426403
52. Ammerman BA, **Burke TA**, McClure K, Jacobucci R, Liu RT. A prospective examination of COVID-19-related social distancing practices on suicidal ideation. *Suicide Life Threat Behav*. 2021 Oct;51(5):969-977. doi: 10.1111/sltb.12782 PMID: 34184290; PMCID: PMC8420177.
53. Ammerman BA, **Burke TA**, Jacobucci R, McClure K. How we ask matters: The impact of question wording in single-item measurement of suicidal thoughts and behaviors. *Prev Med*. 2021 Nov;152(Pt 1):106472. doi: 10.1016/j.ypmed.2021.106472. PMID: 34538365.
54. **Burke TA**, Kutok ER, Dunsiger S, Nugent NR, Patena JV, Riese A, Ranney ML. A national snapshot of U.S. adolescents' mental health and changing technology use during COVID-19. *Gen Hosp Psychiatry*. 2021 Jul-Aug;71:147-148. doi: 10.1016/j.genhosppsych.2021.05.006. PMID: 34090695.
55. **Burke TA**, Bettis AH, Barnicle SC, Wang SB, Fox KF. Disclosure of self-injurious thoughts and behaviors across sexual and gender identities. *Pediatrics*. 2021 Oct;148(4):e2021050255. doi: 10.1542/peds.2021-050255. PMID: 34521728; PMCID: PMC9115868.
56. Liu RT, Lawrence HR, **Burke TA**, Sanzari CM, Levin RY, Maitlin C, Paszek C, Zhu X. Passive and active suicidal ideation among left-behind children in rural China: An evaluation of intrapersonal and interpersonal vulnerability and resilience. *Suicide Life Threat Behav*. 2021 Dec;51(6):1213-1223. doi: 10.1111/sltb.12802. PMID: 34514644; PMCID: PMC8678197.
57. Fox K, Bettis AH, **Burke TA**, Hart EA, Wang SB. Exploring adolescent experiences with disclosing self-injurious thoughts and behaviors across settings. *Res Child Adolesc Psychopathol*. 2022 May;50(5):669-681. doi: 10.1007/s10802-021-00878-x. PMID: 34705197; PMCID: PMC9043038.
58. **Burke TA**, Bettis AH, Kudinova A, Thomas SA, Nesi J, Erguder L, MacPherson HA, Thompson E, Ammerman BA, Wolff, JC. COVID-19-specific suicidal thoughts and behaviors in psychiatrically hospitalized adolescents. *Child Psychiatry Hum Dev*. 2021 Aug 6:1–8. doi: 10.1007/s10578-021-01225-3. PMID: 34357502; PMCID: PMC8343358.
59. Kudinova A, Bettis AH, Thompson EC, Thomas SA, Nesi J, Erguder L, MacPherson HA, **Burke TA**, Wolff JC. COVID-19 related daily stressors, coping, and suicidal ideation in psychiatrically hospitalized youth. *Child Youth Care Forum*. 2022;51(3):579-592. doi: 10.1007/s10566-021-09641-1. PMID: 34305371; PMCID: PMC8288833.
60. Lawrence HR, **Burke TA**, Sheehan AE, Pastro B, Levin RY, Walsh RFL, Bettis AH, Liu RT. Prevalence and correlates of suicidal ideation and suicide attempts in preadolescent children: A US population-based study. *Transl Psychiatry*. 2021 Sep 22;11(1):489. doi: 10.1038/s41398-021-01593-3. PMID: 34552053; PMCID: PMC8458398.

61. **Burke TA**, Shao S, Jacobucci R, Kautz M, Alloy LB, Ammerman, BA. Examining momentary associations between behavioral approach system indices and nonsuicidal self-injury urges. *J Affect Disord.* 2022 Jan 1;296:244-249. doi: 10.1016/j.jad.2021.09.029. Epub 2021 Sep 17. PMID: 34619451; PMCID: PMC9022186.
62. Nesi J, **Burke TA**, Extein J, Kudinova AY, Fox KA, Hunt J, Wolff JC. Social media use, sleep, and psychopathology in psychiatrically hospitalized adolescents. *J Psychiatr Res.* 2021 Dec;144:296-303. doi: 10.1016/j.jpsychires.2021.10.014. PMID: 34710666; PMCID: PMC8665029.
63. Allen KJD, Johnson SL, **Burke TA**, Sammon MM, Wu C, Kramer MA, Wu J, Schatten HT, Arney MF, Hooley JM. Validation of an emotional stop-signal task to probe individual differences in emotional response inhibition: Relationships with positive and negative urgency. *Brain Neurosci Adv.* 2021 Nov 18;5:23982128211058269. doi: 10.1177/23982128211058269. PMID: 34841088; PMCID: PMC8619735.
64. **Burke TA**, Hamilton JL, Seigel D, Kautz M, Liu RT, Alloy LB, Barker DH. Sleep irregularity and nonsuicidal self-injurious urges and behaviors. *Sleep.* 2022 Jun 13;45(6):zsac084. doi: 10.1093/sleep/zsac084. PMID: 35397476; PMCID: PMC9189944.
65. **Burke TA**, Domoff SE, Croarkin PE, Romanowicz M, Borgen A, Wolff J, Nesi J. Reactions to naturalistic smartphone deprivation among psychiatrically hospitalized adolescents. *J Psychiatr Res.* 2022 Aug 1;155:17-23. doi: 10.1016/j.jpsychires.2022.07.061. PMID: 35977433.
66. Liang E, Kutok ER, Rosen RK, **Burke TA**, Ranney ML. Effects of social media use on adolescent connectivity and emotions during pandemic-induced school closures: A qualitative analysis. *JMIR Ment Health.* 2023 Feb 23;10:e37711. PMID: 36054613. Epub 2023 Feb 23. doi:10.2196/37711.
67. **Burke TA**, Bettis AH, Walsh RFL, Levin RY, Lawrence HR, Sheehan, AE, Turnamian M, Liu RT. Nonsuicidal self-injury in preadolescents. *Pediatrics.* 2023 Dec 1;152(6):e2023063918. PMID: 37916265. doi: 10.1542/peds.2023-063918.
68. Bettis AH, Cosby E, Benningfield MM, Fox K, **Burke TA**. Characterizing adolescent disclosures of suicidal thoughts and behavior to parents. *J Adolesc Health.* 2023 Aug 73(3):591-594. doi: 10.1016/j.jadohealth.2023.04.033.
69. Lawrence HR, Balkind E, **Burke TA**, Liu RT. Mental Imagery of suicide and non-suicidal self-injury: A meta-analysis and systematic review. *Clin Psychol Rev.* 2023 Jul; 103:102302. doi:10.1016/j.cpr.2023.102302.
70. Barnette BH, O'Loughlin CM, Park Y, Vogel K, **Burke TA**, Law KC, Ammerman BA. Nonsuicidal self-injury characteristics: A mixed methods analysis of differences between veterans and civilians. *J Psychiatr Res.* 2023 Dec 1;168:318-324. doi:10.1016/j.jpsychires.2023.10.043.
71. Bettis AH, **Burke TA**, Scott SR, Bedock C, Ambriano C, Parrish J, Marsh D, Fox K. Disclosures of self-injurious thoughts and behaviors to parents in the context of therapy: A qualitative investigation. *J Clin Psychol.* 2024 Dec 18;80:537-558. doi:10.1002/jclp.23633.
72. \*Ammerman BA, \***Burke TA**, Scott SR, Bedock C, Ambriano C, Parrish J, Marsh D, Fox K. The association between nonsuicidal and suicidal self-injurious behaviors: A systematic review and expanded conceptual model. *Dev Psychopathol.* Forthcoming 2025.

73. Mirichlis S, **Burke TA**, Bettis AH, Dayer K, Fox, KR. Barriers to youth disclosing self-injurious thoughts and behaviors: A focus on the therapeutic context. *Arch Suicide Res*. 2024 Nov 8;1-16. PMID: 39514337. Epub 2024 Nov 8. doi: 10.1080/13811118.2024.2424233.
74. \*Bentley KH, \*Kennedy CJ, Khadse PN, Brooks Stephens JR, Madsen EM, Flics MJ, Lee H, Smoller JW, **Burke TA**. Clinician suicide risk assessment for prediction of suicide attempt in a large healthcare system. *JAMA Psychiatry*. Forthcoming 2025.
75. Haliczzer LH, Park Y, Turnamian MR, Cetinkaya D, DeCaro SA, Kleiman EM, **Burke TA**, Liu RT. (2025). A multi-method evaluation of emotional processing in prospectively predicting suicidal ideation trajectories in adolescents post-psychiatric hospitalization. *Psychological Medicine*, 55, e269. doi: 10.1017/S0033291725101426.

### Other peer-reviewed scholarship

1. **Burke TA**, Buchanan J, Amira L, Yershova K, Posner, K. The treatment of pediatric suicidal behavior. *Curr Treat Options Psychiatry*. 2014;1:1–18.
2. **Burke TA**, Alloy LB. Moving toward an ideation-to-action framework in suicide research: A commentary on May and Klonsky. *Clin Psychol (New York)*. 2016;23(1):26-30.
3. Bettis AH, **Burke TA**, Nesi J, Liu RT. Digital Technologies for Emotion Regulation Assessment and Intervention: A Conceptual Review and Future Directions. *Clin Psychol Sci*. 2022; 10:3-26.

### Non-peer reviewed scholarship in print or other media:

#### Book reviews

1. **Burke TA**. [Review of the book Nonsuicidal self-injury: Advances in psychotherapy – Evidence-based practice, by E. D. Klonsky, J. J. Meuhlenkamp, S. P., Lewis, & B. Walsh]. *J Am Acad Child Adolesc Psychiatry*; 2014; 119-121.

#### Reviews, chapters, monographs and editorials

1. Alloy LB, **Burke TA**. Bipolar disorders: Risk for. In: Wenzel A, Flannery-Schroeder E, Friedman-Wheeler D, editors. *The SAGE Encyclopedia of Abnormal and Clinical Psychology*. Thousand Oaks, CA: SAGE Publications, Inc.; 2017; 518-520.
2. O'Brien K, Liu RT, Putney J, **Burke TA**, Aguinaldo L. Suicide and non-suicidal self-injury. In: Smalley KB, Warren JC, Barefoot KN, editors. *LGBT Health: Meeting the Health Needs of Gender and Sexual Minorities*. New York: Springer Publishing Company; 2017; 181-198.
3. Alloy LB, **Burke TA**, O'Garro-Moore J. Cognitive vulnerability to depression and bipolar disorder. In: Leahy RL, editor. *Advances in Modern Cognitive Therapy*. New York: Guilford Press; 2018; 105-123.
4. **Burke TA**, Ammerman BA, RT Liu. Novel assessment methods for differentiating risk for suicidal and nonsuicidal self-injurious behaviors. In: Lloyd-Richardson E, Baetens I, Whitlock J, editors. *The Oxford Handbook of Nonsuicidal Self-Injury*. Oxford University Press; 2023; pp.C45S1-C45N2.

\*indicates co-first or co-senior authorship \*\*indicates student/trainee

## **Narrative Report**

### **Introduction**

I am a clinical psychologist specializing in the prediction and prevention of self-injurious thoughts and behaviors (SITBs) among adolescents. My work aims to use novel methodologies and computational approaches to improve our ability to identify adolescents at risk so we can intervene and prevent SITBs. After completing my doctoral training in clinical psychology at Temple University, I completed a pre-doctoral clinical psychology internship and an NIMH-funded post-doctoral fellowship in child mental health at the Alpert Medical School of Brown University. In summer 2021, I joined the faculty at Massachusetts General Hospital and Harvard Medical School, where I conduct patient-oriented and team-science infused research.

### **Area of Excellence: Investigation**

The primary area of my research is in short-term risk for SITBs. During my doctoral training, I was awarded an NSF Graduate Research Fellowship to support my multi-method dissertation investigating the role of sleep, cognitive, and affective risk factors in the proximal prediction of nonsuicidal self-injury (NSSI). To extend this research, I served as a co-investigator on a NIMH RF1 study examining the role of stress-related executive functioning in the associations between sleep and physiological arousal in proximal risk for SITBs among youth.

The burgeoning literature on proximal risk for SITBs demonstrates that there is a critical need to employ truly idiographic (n-of-1, person-specific) modeling to understand how SITB risk processes unfold within individuals. To address this gap in the literature, I was awarded a NIMH K23. This grant will permit the evaluation of whether acute behavioral changes from an individual's typical patterns of social engagement, sleep, and physical activity indicate proximal risk for increases in SI. Through my K23, I am acquiring training in passive mobile sensing, adolescent sleep and physical activity assessment, and advanced computational approaches to idiographic modeling.

An additional area of my research is on applying computational approaches, including machine learning (ML), to better identify those at greatest risk for SITBs. To this end, I was awarded a foundation grant to leverage ML to enhance suicide risk screening in pediatric health care settings (Burke et al., 2020). In addition, I am collaborating with an expert in computer vision to conduct research aimed at leveraging computer vision approaches to automate the assessment of the medical severity of previous self-injury. I was awarded an NIMH R21 and an American Foundation for Suicide Prevention (AFSP) Young Investigator Grant to fund this team science effort. Promising preliminary findings from these grants served as the basis for an R01 submission to examine the utility of the developed technology as applied in emergency care (Pending R01; Percentile = 1.0). I was also awarded an NIMH R21 to computationally characterize synchrony within the dynamics of a

parent-child conflict task and to evaluate whether acoustic and visual behavioral markers of arousal synchrony, respectively are associated with prospective suicide risk.

I have published 77 (29 first-authored, 3 senior-authored; h-index=35) peer-reviewed articles and 4 chapters on the etiology of SITBs and related psychopathology. I have received funding as PI on grants from the NIMH, National Science Foundation, the AFSP, and the University of Michigan. My program of research has been nationally recognized for its contribution to psychological science by my receipt of the Association for Psychological Science's 2025 Rising Star Award.

## **Teaching**

I highly value providing mentorship and training to aspiring clinical scientists. I have mentored 7 undergraduate research assistants (RAs), 6 of whom are now either postbaccalaureate RAs or doctoral students. I have also mentored 11 RAs, 8 of whom are currently doctoral students or have graduated from doctoral programs. I have mentored 5 RAs in obtaining NSF grants. I have mentored 1 MGH postdoctoral fellow in conducting an NIMH-funded F32 and 1 MGH postdoctoral fellow in submitting a K99 award. I am also mentoring 2 MGH clinical psychology internship fellows in writing K23 awards. I have served as the lead instructor for an undergraduate upper level psychology course and a teaching assistant for an introductory level psychology course. I have served as a secondary advisor for 2 undergraduates' theses and as the primary advisor for a student's master thesis. I have served as a dissertation committee member for 2 doctoral students. I have a strong interest in expanding my teaching and mentorship responsibilities through providing research, clinical, and professional development mentorship to clinical psychology internship and postdoctoral trainees, as well as to medical students and residents.