The Faculty of Medicine of Harvard University Curriculum Vitae

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Name: Naoise Mac Giollabhui

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Education:

7/21-6/22

9/02–5/05 B.A. History and Philosophy University College Dublin,

Dublin, Ireland

8/07–6/08 M.Sc. Latin American Studies University of Oxford, Oxford,

United Kingdom

Philadelphia, PA

9/12–5/14 H. Dip. Psychology University College Dublin

8/15–8/22 Ph.D. Clinical Psychology; PI: Lauren Temple University,

Alloy, PhD

Clinical Psychology Massachusetts General

Hospital

Faculty Academic Appointments:

Predoctoral

Internship

Postdoctoral Training:

7/22— Clinical Research Psychiatry Department (Drs. Massachusetts General

Fellow Richard Liu and David Hospital

Mischoulon)

Appointments at Hospitals/Affiliated Institutions:

7/21–6/22 Clinical Fellow in Psychiatry Department Massachusetts General

Psychology Hospital

7/22 — Clinical Fellow Psychiatry Department Massachusetts General

Hospital

Faculty Membership in Harvard Initiatives, Programs, Centers, and Institutes

Other Profess	sional Positions:			
2020–	Scientific Advisory Board Member	MentalHealthIO		Infrequent consulting/mentorship.
Major Admin	nistrative Leadership Position	ns:		
Local				
Regional				
National				
International				
Committee Se	ervice:			
Local				
2019–2020	Psychology Colloquium Com	mittee	Temple University	ersity
2020–2021	Psychological Service Center Advisory Committee member		Temple University	ersity
Regional				
National				
International				
2021-	Immunopsychiatry Working (Group	European Col	llege of
	Young Researchers Committee		-	pharmacology

Professional Societies:

2015-	Society for Research in Psychopathology	Member
2017-	Society for Biological Psychiatry	Member
2018-	PsychoNeuroImmunology Research Society	Member

Grant Review Activities:

2021	Travel Award Committee	Society of Biological Psychiatry
2022	Visionary Grant Review Committee	American Psychological Foundation

Editorial Activities:

• Ad hoc Reviewer

Addiction

Assessment

Behaviour Research and Therapy

BJPsych Open

Brain, Behavior, and Immunity

Brain, Behavior, and Immunity-Health

Cancers

Clinical Psychological Science

CNS Neuroscience & Therapeutics

Cognitive, Affective, and Behavioral Neuroscience

Depression and Anxiety

International Journal of Behavioral Medicine

Journal of Child Psychology and Psychiatry

Journal of Child Psychology and Psychiatry Advances

Journal of Family Violence

Journal of Inflammation Research

Journal of Youth and Adolescence

Lancet Psychiatry

Meta-Psychology

Motivation and Emotion

Neuroscience Applied

Nutrition Reviews

Progress in Neuropsychopharmacology & Biological Psychiatry

Psychological Bulletin

Psychological Medicine

Psychoneuroendocrinology

Psychopharmacology

Psychiatry Research

Scientific Reports

Translational Psychiatry

• Other Editorial Roles

Honors and Prizes:

2015	Presidential Fellowship	Temple University	Research
2017	Smadar Levin Award Finalist	Society for Research in Psychopathology	Research
2018	APF Graduate Student Scholarship Nominee	Temple University Departmental of Psychology	Research
2018	Travel Fellowship Award	Society of Biological Psychiatry	Research
2018	CANTAB Research Grant, Secondary Award Winner	Cambridge Cognition	Research
2018	Shipley Research Prize	Temple University Departmental of Psychology	Research
2019	John E Gordon Dissertation Award	Philadelphia Neuropsychology Society	Research
2019	Chapel Hill Conference on Depression	Professional Development Preconference Travel Award	Research
2020	Advanced Training Institute Workshop on Longitudinal Statistical Methods	American Psychological Association	Research
2021	Elizabeth Munsterberg Koppitz Fellowship, Finalist	American Psychological Foundation.	Research
2021	Distinguished Student Research Award in Clinical Psychology	American Psychological Association: Society of Clinical Psychology	Research
2021	Meeting Scholarship Award	American Psychopathological Association	Research
2021	Exemplifying Interdisciplinary Research Poster Winner	Society for Research in Child Development	Research
2021	Anne Anastasi General Psychology Graduate Student Award	American Psychological Association: Society for General Psychology	Research

Report of Funded and Unfunded Projects

Past

2019–2021 Chronic Inflammation as a Pathway to Cognitive Dysfunction in Adolescents and Young

Adults with a History of Elevated Depressive Symptoms

NIMH F31 5F31MH118808

PI; \$66,996

This study tested whether chronic inflammation was a neurobiological pathway leading to

cognitive dysfunction in depression and whether stress predicted greater cognitive dysfunction in depression via elevated inflammation.

Current

2019– Examining the Roles of Socioeconomic Status and Relevant Health Correlates (Body Mass Index, Diet Quality, and Inflammation) for Neuropsychological Function in Young Adults American Psychological Foundation Visionary Grant

PI: \$20,000

This study aims to explore the hypothesis that BMI may mediate the relationship between SES and performance on tests of memory and executive function. Moreover, this project will also help to clarify whether the relationship between BMI and cognitive functioning is explained by poor diet quality or elevated levels of peripheral inflammation.

Evaluating the prevalence of specific cognitive deficits in depression that are treated by

Compensatory Cognitive Training.

Livingston Fellowship Award

PI; \$6,995

The grant investigates whether cognitive difficulties treated by cognitive compensatory training are commonly reported in depression and evaluates whether significant cognitive difficulties not assessed/treated by cognitive compensatory training are present in depression (e.g., difficulty with initiation, decision making).

Investigating the association of dysregulated inflammatory physiology with specific cognitive deficits in depression.

Mind Brain Behavior Young Investigator Award

PI; \$5,270

This proposal aims to determine whether psychomotor slowing and poor attention are more prominent in depressed individuals who exhibit a pro-inflammatory phenotype [using a common clinical measure of chronic, low-grade inflammation: $CRP \ge 3mg/L$] compared to depressed individuals without an inflammatory phenotype and whether different gene expression profiles of PBMCs are associated with psychomotor slowing and poor attention in individuals with $CRP \ge 3mg/L$

Investigating the association of dysregulated inflammatory physiology with specific cognitive deficits in depression.

Mind Brain Behavior Interfaculty Initiative Research Award

PI; \$50,000

This award provides salary support to determine whether psychomotor slowing and poor attention are more prominent in depressed individuals who exhibit a pro-inflammatory phenotype.

Projects Submitted for Funding

Pending; Submitted March,

2023

The role of inflammation in cognitive dysfunction in acute depression as determined by experimental inhibition of tumor necrosis factor-alpha signaling in a randomized controlled

National Institute of Mental Health K23 Mentored Patient-Oriented Research Career

Development Award PI, direct costs: \$914,444

This proposal is a mechanistic randomized controlled trial that investigates whether inhibition of tumor necrosis factor signaling via intravenous infusion of infliximab improves

psychomotor speed and executive functioning in depressed individuals who exhibit an inflammatory phenotype.

Pending Council Review: Impact/Priority Score: 22, Percentile: N/A

Training Grants and Mentored Trainee Grants

Unfunded Current Projects

Report of Local Teaching and Training

Teaching of Students in Courses:

2023 MBB S-102 Becoming a Brain Scientist: Harvard Summer School

Neuroscience and Psychology Research 4 hours / week

Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs):

Clinical Supervisory and Training Responsibilities:

Research Supervisory and Training Responsibilities:

2017–2021 Supervision of research assistants (1 per Temple University

year) 1 hr/week

2022– Supervision of Clinical Research Massachusetts General Hospital

Coordinators (1 per year) 1 hr/week

Formally Mentored Harvard Students (Medical, Dental, Graduate, and Undergraduate):

Other Mentored Trainees and Faculty:

Elyse Hutcheson, Ph.D. candidate at University of Toledo

Career stage: Undergraduate. Mentoring role: graduate research mentor.

	Accomplishments: poster presentation at professional conference.		
2017–2018	Samuel Seidman, Ph.D. candidate at Case Western Reserve University Career stage: postbaccalaureate research assistant. Mentoring role: graduate research mentor.		
	Accomplishments: 1 co-authored empirical paper.		
2017–2018	Evan Burdette, Ph.D. candidate at University of Miami Career stage: postbaccalaureate research assistant. Mentoring role: graduate research mentor. Accomplishments: 2 co-authored poster presentations and 1 co-authored empirical paper.		
2020–2021	Kayleigh Scott, Research Assistant at Henry M. Jackson Foundation for the Advancement of Military Medicine. Mentoring role: Mentor and lab supervisor for data collection. Career stage: Undergraduate. Accomplishments: 1 co-authored empirical paper in preparation.		
2020–2021	Rachel Rovere, Research Assistant at University of Pennsylvania Memory Center Career stage: Undergraduate. Mentoring role: Mentor and lab supervisor for data collection. Accomplishments: 1 co-authored empirical paper in preparation.		
2020–2021	Thandwa Mdluli, Research Assistant at University of Pennsylvania PENN Injury Science		
	Center Career stage: Undergraduate. Mentoring role: Mentor and lab supervisor for data collection. Accomplishments: 1 co-authored empirical paper in preparation.		
2020–	Olivia Bishop, Clinical Research Coordinator at Massachusetts General Hospital Career stage: Undergraduate (Sophomore). Mentoring role: Mentor and lab supervisor for data collection; co-supervisor on undergraduate thesis. Accomplishments: 2 co-authored empirical papers in preparation.		
2021–	Samuel Petrie, Medical Resident at Massachusetts General Hospital Career stage: Medical Resident. Mentoring role: Peer research mentor. Accomplishments: 2 co-authored empirical paper.		
2022–	Saira Madarasmi, Clinical Research Coordinator at Depression Clinical and Research Program, Massachusetts General Hospital Career stage: Post-baccalaureate. Mentoring role: Research and professional development mentor		
Formal Teaching of Peers (e.g., CME and other continuing education courses):			
\square No presentations below were sponsored by 3^{rd} parties/outside entities			
\square Those presentations below sponsored by outside entities are so noted and the sponsor(s) is (are) identified.			
Local Invited Presentations:			
\square No presentations below were sponsored by 3^{rd} parties/outside entities			
\square Those presentations below sponsored by outside entities are so noted and the sponsor(s) is (are) identified.			

2021 Inflammation and cognitive dysfunction in depression (Integrated Brain Health Clinical and Research Program Work in Progress Meeting) Massachusetts General Hospital Report of Regional, National and International Invited Teaching and Presentations No presentations below were sponsored by 3rd parties/outside entities Those presentations below sponsored by outside entities are so noted and the sponsor(s) is (are) identified. Regional **National** 2022 Frontiers in Transdiagnostic Perspectives: Exploring Immune and Endocrine Markers as Potential Missing Links in Common Mental Disorders (Symposium talk). Association of Behavioral and Cognitive Therapies New York, N.Y. 2023 What about Depression Does Not Go Away? A Neuroscience-Informed Discussion of Chronicity and Recurrence (Roundtable talk). Anxiety and Depression Association of America Washington, D.C. International 2021 Negative Cognitive Style Interacts with Negative Life Events to Predict First Onset of a Major Depressive Episode in Adolescence via Hopelessness (Symposium talk). International Congress of Cognitive Psychotherapy. Rome, Italy Exploring the Role of Inflammation in the Etiology of Cognitive Dysfunction in Depression 2022 (Virtual Talk). King's College London's Immunopsychiatry Meeting **Report of Clinical Activities and Innovations** Past and Current Licensure and Board Certification: **Practice Activities:**

Psychiatry Department,

2021-2022

Clinician

40 hours / week

2022– Clinician

Massachusetts General Hospital/ Harvard Medical School Psychiatry Department, Massachusetts General Hospital/ Harvard Medical School

8 hours / week

Clinical Innovations:
Report of Teaching and Education Innovations
Report of Technological and Other Scientific Innovations
Report of Education of Patients and Service to the Community No presentations below were sponsored by 3 rd parties/outside entities Those presentations below sponsored by outside entities are so noted and the sponsor(s) is (are) identified.
Activities
Educational Material for Patients and the Lay Community: Books, articles, and presentations in other media
Educational material or curricula developed for non-professional audiences
Patient educational material

Recognition:

Report of Scholarship

ORCID ID: https://orcid.org/0000-0003-4226-5704

Peer-Reviewed Scholarship in print or other media:

Research Investigations

- 1. Dooley B, Fitzgerald A, **Giollabhui NM**. The risk and protective factors associated with depression and anxiety in a national sample of Irish adolescents. *Ir J Psychol Med*. 2015 Mar;32(1):93-105.
- 2. Bramham J, **Giollabhui NM**. Cognitive functioning, conduct disorder and substance use as predictors of offending in adults with ADHD. *J Forens Psychol*. 2016;1(1):1-8.
- 3. Dawson F, Shanahan S, Fitzsimons E, O'Malley G, **Mac Giollabhui N**, Bramham J. The impact of caring for an adult with intellectual disability and psychiatric comorbidity on carer stress and psychological distress. *J Intellect Disabil Res*. 2016 Jun;60(6):553-563.
- 4. O'Malley GK, McHugh L, **Mac Giollabhui N**, Bramham J. Characterizing adult attention-deficit/hyperactivity-disorder and comorbid borderline personality disorder: ADHD symptoms, psychopathology, cognitive functioning and psychosocial factors. *Eur Psychiatry*. 2016 Jan;31:29-36.
- 5. **Mac Giollabhui N**, Nielsen J, Seidman S, Olino TM, Abramson LY, Alloy LB. The development of future orientation is associated with faster decline in hopelessness during adolescence. *J Youth Adolesc*. 2018 Oct;47:2129-2142.
- 6. **Mac Giollabhui N**, Hamilton JL, Nielsen J, Connolly SL, Stange JP, Varga S, Burdette E, Olino TM, Abramson LY, Alloy LB. Negative cognitive style interacts with negative life events to predict first onset of a major depressive episode in adolescence via hopelessness. *J Abnorm Psychol.*. 2018 Jan;127(1):1.
- 7. Fitzgerald A*, **Mac Giollabhui N***, Dolphin L, Whelan R, Dooley B. Dissociable psychosocial profiles of adolescent substance users. *PLoS One*. 2018 Aug 30;13(8):e0202498.
- 8. 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 1;50(4):755-764.
- 9. **Mac Giollabhui N**, Olino TM, Nielsen J, Abramson LY, Alloy LB. Is worse attention a risk factor for or a consequence of depression, or are worse attention and depression better accounted for by stress? A prospective test of three hypotheses. *Clin Psychol Sci.* 2019 Jan;7(1):93-109.
- 10. Moriarity DP, **Mac Giollabhui N**, Ellman LM, Klugman J, Coe CL, Abramson LY, Alloy LB. Inflammatory proteins predict change in depressive symptoms in male and female adolescents. *Clin Psychol Sci.* 2019 Jul;7(4):754-767.
- 11. **Mac Giollabhui N**, Breen EC, Murphy SK, Maxwell SD, Cohn BA, Krigbaum NY, Cirillo PM, Perez C, Alloy LB, Drabick DA, Ellman LM. Maternal inflammation during pregnancy and offspring psychiatric symptoms in childhood: Timing and sex matter. *J Psychiatr Res*. 2019 Apr 1;111:96-103.
- 12. Bernstein EE, Kleiman EM, van Bork R, Moriarity DP, Mac Giollabhui N, McNally RJ,

- Abramson LY, Alloy LB. Unique and predictive relationships between components of cognitive vulnerability and symptoms of depression. *Depress Anxiety*. 2019 Oct;36(10):950-959.
- 13. Kautz MM, Coe CL, McArthur BA, **Mac Giollabhui N**, Ellman LM, Abramson LY, Alloy LB. Longitudinal changes of inflammatory biomarkers moderate the relationship between recent stressful life events and prospective symptoms of depression in a diverse sample of urban adolescents. *Brain Behav Immun.* 2020 May 1;86:43-52.
- 14. Moriarity DP, Kautz MM, **Mac Giollabhui N**, Klugman J, Coe CL, Ellman LM, Abramson LY, Alloy LB. Bidirectional associations between inflammatory biomarkers and depressive symptoms in adolescents: potential causal relationships. *Clin Psychol Sci.* 2020 Jul;8(4):690-703.
- 15. Stumper A, **Mac Giollabhui N**, Abramson LY, Alloy LB. Early pubertal timing mediates the association between low socioeconomic status and poor attention and executive functioning in a diverse community sample of adolescents. *J Youth Adolesc*. 2020 Jul;49:1420-1432.
- Mac Giollabhui N, Swistun D, Murray S, Moriarity DP, Kautz MM, Ellman LM, Olino TM, Coe CL, Abramson LY, Alloy LB. Executive dysfunction in depression in adolescence: the role of inflammation and higher body mass. *Psychol Med.* 2020 Mar;50(4):683-691.
- 17. **Mac Giollabhui N**, Ellman LM, Coe CL, Byrne ML, Abramson LY, Alloy LB. To exclude or not to exclude: Considerations and recommendations for C-reactive protein values higher than 10 mg/L. *Brain Behav Immun*. 2020 Jul;87:898.
- 18. **Mac Giollabhui N**, Ng TH, Ellman LM, Alloy LB. The longitudinal associations of inflammatory biomarkers and depression revisited: systematic review, meta-analysis, and meta-regression. *Mol Psychiatry*. 2021 Jul;26(7):3302-3314.
- 19. **Mac Giollabhui N**, Alloy LB, Hartman CA. Investigating whether depressed youth exhibiting elevated C reactive protein perform worse on measures of executive functioning, verbal fluency and episodic memory in a large, population based sample of Dutch adolescents. *Brain Behav Immun*. 2021 May 1;94:369-380.
- 20. **Mac Giollabhui N**, Alloy LB, Swistun D, Coe CL, Ellman LM, Moriarity DP, Stumper AC, Abramson LY. Concurrent and longitudinal associations of sex and race with inflammatory biomarkers during adolescence. *J Youth Adolesc*. 2021 Apr;50:711-723.
- 21. Chat IK, Nusslock R, Moriarity DP, Bart CP, **Mac Giollabhui N**, Damme KS, Carroll AL, Miller GE, Alloy LB. Goal-striving tendencies moderate the relationship between reward-related brain function and peripheral inflammation. *Brain Behav Immun*. 2021 May 1;94:60-70.
- 22. Graham AA, **Mac Giollabhui N**, Stumper A, Abramson LY, Alloy LB. Negative Inferential style mediates the association between racial identity and depressive symptoms among African American adolescents. *J Youth Adolesc.* 2021 Aug;50(8):1726-1737.
- 23. Rifkin LS, **Mac Giollabhui N**, Kendall PC, Abramson LY, Alloy LB. Attention, rumination and depression in youth with negative inferential styles: A prospective study. *J Affect Disord*. 2021 Aug 1;291:209-217.
- 24. **Mac Giollabhui N**. Inflammation and depression: research designs to better understand the mechanistic relationships between depression, inflammation, cognitive dysfunction, and their shared risk factors. *Brain Behav Immun. Health.* 2021 Aug 1;15:100278.
- 25. **Mac Giollabhui N**, Alloy LB, Schweren LJ, Hartman CA. Investigating whether a combination of higher CRP and depression is differentially associated with worse executive functioning in a cohort of 43,896 adults. *Brain Behav Immun*. 2021 Aug 1;96:127-134.
- 26. **Mac Giollabhui N**, Foster S, Lowry CA, Mischoulon D, Raison CL, Nyer M. Interleukin-6 receptor antagonists in immunopsychiatry: Can they lead to increased interleukin-6 in the central nervous system (CNS) and worsening psychiatric symptoms? *Brain Behav Immun.* 2022:202-204.
- 27. **Mac Giollabhui N**, Hartman CA. Examining inflammation, health, stress and lifestyle variables linking low socioeconomic status with poorer cognitive functioning during adolescence. *Brain Behav Immun*. 2022 Aug 1;104:1-5.
- 28. Chat IK, Gepty AA, Kautz M, **Mac Giollabhui N**, Adogli ZV, Coe CL, Abramson LY, Olino TM, Alloy LB. Residence in high-crime neighborhoods moderates the association between interleukin 6

- and social and nonsocial reward brain responses. *Biol Psychiatry Glob Open Sci.* 2022 Jul 1;2(3):273-282.
- 29. Chat IK, **Mac Giollabhui N**, Bart CP, Graham AA, Coe CL, Abramson LY, Olino TM, Alloy LB. Concurrent and prospective associations of inflammatory signaling, specific depressive symptoms, and substance use in adolescence. *Brain Behav Immun*. 2023 May 1;110:85-94.
- 30. Nyer M, Hopkins L, Nagaswami M, Norton R, Streeter CC, Hoeppner B, Sorensen CE, Uebelacker L, Koontz J, Foster S, Dording C, **Mac Giollabhui N**, Yeung A, Fisher LB, Cusin C, Jain FA, Pedrelli P, Cassano P, Mehta DH, Raison C, Miller KK, Fava M, Mischoulon D. A Randomized Controlled Trial of Community-Delivered Heated Hatha Yoga for Moderate-to-Severe Depression. J Clin Psychiatry. Forthcoming 2023.
- 31. **Mac Giollabhui N**, Mischoulon D, Dunlop BW, Kinkead B, Schettler PJ, Liu RT, Okereke OI, Lamon-Fava S, Fava M, Rapaport MH. Individuals with depression exhibiting a pro-inflammatory phenotype receiving omega-3 polyunsaturated fatty acids experience improved motivation-related cognitive function: Preliminary results from a randomized controlled trial. *Brain Behav Immun. Health.* 2023 Jul 7:100666.
 - * indicates co-first or co-senior authorship

Other	peer-revi	iewed	schola	rshin
Other	peer-revi	ic w cu	SCHOIG	ւջութ

Scholarship without named authorship

Non-peer reviewed scholarship in print or other media:

Reviews, chapters, and editorials

Alloy LB, **Mac Giollabhui N**, Graham A, Stumper A, Bart CP, Curley EE, et al. Mood Disorders. In. Maddux JE, Winstead BA, editors. Psychopathology: Foundations for a Contemporary Understanding (Fifth Edition). New York: Routledge. 2020. p 201-247.

Books/textbooks for the medical or scientific community

Case reports

Letters to the Editor

Other non-peer reviewed scholarship

Professional educational materials or reports, in print or other media:

Thesis:

Mac Giollabhui N. Chronic Inflammation as a Pathway Leading to Cognitive Dysfunction in Depressed Youth. Temple University; 2022.

Manuscripts Submitted to Preprint Servers

Abstracts, Poster Presentations, and Exhibits Presented at Professional Meetings:

1. Fisher LB, Hull S, **Mac Giollabhui N**, Clain A, Hoeppner BB, Zafonte R, Pedrelli P. Feasibility and Acceptability of Adapted Cognitive Behavioral Therapy for Depression after Traumatic Brain Injury. Poster to be presented at the meeting of the Mind-Body Interface International Symposium; 2023, Oct 28-30; Taichung, Taiwan.

Narrative Report

Introduction

I am a clinical research fellow at Massachusetts General Hospital/Harvard Medical School who completed my Ph.D. in clinical psychology at Temple University, under the mentorship of Lauren B. Alloy, Ph.D.

Area of Excellence: Investigation

My research focuses on understanding whether inflammation plays a role in the etiology of cognitive dysfunction in depression. I developed an interest in cognitive functioning and depression as a research assistant at University College Dublin and pursued this interest as a clinical psychology doctoral student in Dr. Alloy's lab where I began to investigate the role of immune dysfunction in the etiology of depression. My work has been recognized by national research awards and consists of 31 manuscripts [15 first-author manuscripts published in high-impact outlets (average first-author impact factor = 10.5] containing three sets of findings. First, the relationship between depression and inflammation is characterized by complex and bidirectional associations. Second, elevated inflammatory biomarkers are associated with poorer executive functioning and are likely implicated in the etiology of cognitive dysfunction in depression. Third, inflammation may be a causal mechanism linking overlapping risk factors (e.g., diet) with both depression and cognitive dysfunction. These findings are based on data from NIMH-funded longitudinal cohort studies collected by Dr. Alloy, two Dutch cohort studies via collaboration I initiated with Dr. Catharina Hartman (University of Groningen), and two independent studies I conducted at Temple University (funded via an NIMH Predoctoral F31 Fellowship and an American Psychological Foundation Visionary Grant).

A major barrier to advancing our understanding of cognitive dysfunction in depression is the reliance on non-specific markers of inflammation within observational, longitudinal studies where participants are assessed years apart, making it difficult to disentangle multiple, overlapping processes (depression, inflammation, and cognitive dysfunction) and their shared risk factors (e.g., sleep). My future work will address these limitations by conducting mechanistic randomized controlled trials that integrate ecological momentary assessment and better characterization of immune cell populations to identify immune-based mechanisms underpinning cognitive dysfunction in depression – this is the central focus of my recent K23 resubmission that received an impact score of 22. The goal is to develop effective treatments that target immune dysfunction in depression to improve their cognitive function.

In addition to clinical care and research, I am on the Editorial Board of Brain, Behavior and Immunity (Impact factor = 19.227) and routinely engage in peer review and I serve on committees for national (Society of Biological Psychiatry) and international (European College of Neuropsychopharmacology) as well as community/educational organizations (MentalHealthIO).

<u>Teaching</u>: I taught undergraduate coursework (i.e., Developmental Psychology) as a graduate instructor. I have closely mentored seven research assistants who were supporting data collection for my two independent studies or were research assistants in Dr. Alloy's lab (six of whom are currently paid post-baccalaureate research assistants or in Ph.D. doctoral programs) and two clinical research coordinators at the Depression Clinical & Research Program.