

Abigail K. Moline

moline1@purdue.edu • Lafayette, IN
[linkedin.com/in/abigail-moline/](https://www.linkedin.com/in/abigail-moline/)

EDUCATION

Purdue University | West Lafayette, IN

M.S. and Ph.D., Clinical Psychological Sciences

Advisor: Daniel Foti, Ph.D.

Expected May 2030

Gordon College | Wenham, MA

B.A. in Psychology, Concentration in Counseling, Minor in Biblical Studies

Dec. 2021

- Honors: summa cum laude (GPA: 3.98/4.0), Founders Scholarship (all semesters), Presidential Honors (all semesters)

MANUSCRIPTS IN PREPARATION

1. Dillon, D.G., Rochat, K.C., Maksimovskiy, A.L., Burani, K., **Moline, A.K.**, Akman, E., Cataldo, A.M., Stewart, J.G., & Auerbach, R.P. (Submitted). *Feedback-driven Control Impairs Memory Encoding in Depressed Youth*.
2. Maksimovskiy, A.L., **Moline, A.K.**, Dillon, D.G. (in prep). *Same Memories, New Feelings: How Remembering Shapes Emotion*.
3. Norton, D. J., Matthiessen, D., **Moline, A.K.**, Vidu, H., Khang, J. Gordon, K., Casula, J., & Vincent, H. (in prep). *Exercise-induced arousal does not impact center surround suppression of visual motion perception, but chronic stress is correlated to it*.

PRESENTATIONS

1. Maksimovskiy, A.L., **Moline, A.K.**, & Dillon, D.G. (Submitted). *Familiarity Feels Different: Memory Retrieval Affects Emotional Experience* [Poster session]. Society of Biological Psychiatry Annual Conference 2025.
2. **Moline, A.K.**, Maksimovskiy, A.L., & Dillon, D.G. (2024, April). *Perceived Oldness Boosts Positive and Dampens Negative Valence Ratings* [Poster session]. Anxiety and Depression Association of America Annual Conference.
3. **Moline, A.K.**, Burani, K., Rochat, K.C., Maksimovskiy, A.L., Akman, E., Cataldo, A.M., Stewart, J.G., Auerbach, R.P., & Dillon, D.G. (2024, April). *Reward Prediction Errors and Prior Feedback Affect Memory Formation in Depressed Youth* [Poster session]. Anxiety and Depression Association of America Annual Conference.
4. Cataldo, A.M., **Moline, A.K.**, & Dillon, D.G. (2024, April). *Neural Substrates of the Positive Memory Deficit in Depression: Abnormal Evidence Accumulation is Associated with Reduced Caudate and Hippocampal Activation at Retrieval* [Poster session]. Anxiety and Depression Association of America Annual Conference.

5. **Moline, A.K.**, Maksimovskiy, A.L., & Dillon, D.G. (2024, March 13). *Perceived oldness amplifies positive and negative valence ratings* [Poster session]. Harvard Psychiatry Research Day 2024.
6. **Moline, A.K.**, Maksimovskiy, A.L., & Dillon, D.G. (2024, January 23). *Remember me? Perceived oldness boosts valence ratings for positive images* [Poster session]. McLean Research Day 2024.
7. **Moline, A.K.**, Maksimovskiy, A.L., Rochat, K.C., Pierre, B.J., & Dillon, D.G. (2023, March 1). *The temporal stability of posterior alpha power in healthy & depressed adults* [Poster session, virtual]. Harvard Psychiatry Research Day 2023.
8. **Moline, A.K.**, Maksimovskiy, A.L., Rochat, K.C., Pierre, B.J., & Dillon, D.G. (2023, January 25). *The temporal stability of posterior alpha power in adults with Major Depressive Disorder*. [Poster session]. McLean Research Day 2023.
9. Norton, D.J., Casula, J.M., **Moline, A.K.**, Vincent, H., Suh, J., & Matthiessen (2022, June). *Exercise-induced arousal does not impact center surround suppression of visual motion perception, but chronic stress is correlated to it* [Poster Session]. Virtual Vision Sciences Society Conference.
10. **Moline, A.K.**, Casula, J. M., & Bruno, S. L. (2021, May 5). *The impact of perceptual learning on emotion recognition* [Poster session]. Gordon College Undergraduate Research Symposium, virtual.
11. **Moline, A. K.**, Bruno, S. L., Casula, J. M., Fitzgerald, J. E., Brown, T. A., Rutter, L. A., & Norton, D. J. (2020, October 24). *Decreased pupillary response to recognition of emotional stimuli in major depressive disorder* [Poster session, virtual]. New England Psychological Association Annual Meeting.
12. **Moline, A. K.**, Nelson, D., Layton, I., Britt, C., & Bobb. S. C. (2019, May 1). *Cross-cultural differences in procrastination* [Poster session]. Gordon College Undergraduate Research Symposium.

RESEARCH TRAINING

Purdue University | West Lafayette, Indiana

Aug. 2024 - Present

Graduate Student, Psychophysiological Analysis of Cognition, Emotion, and Reward Lab

Principal Investigator: Daniel Foti, Ph.D.

- Supervising a team of 3-5 undergraduate research assistants at a time during weekly lab shifts (6 hours total/week)
- Gaining familiarity with lab experiment protocols, including behavioral tasks that probe various electroencephalogram (EEG) components
- Reading relevant literature on the late positive potential (LPP) EEG component and its application in clinical neuroscience research, to develop an understanding of how sustained attention may be altered in depression

Senior Research Assistant, Skill, Learning & Performance Lab Jan. 2025 – Present
Principal Investigator: Brooke Macnamara, Ph.D.

- Collecting electrocardiogram (ECG) data from participants across study protocols, and collecting impedance cardiography for one particular protocol
- Administering several protocols which use variations of the Maastricht Acute Stress Test
- Administrative tasks include sending reminder emails as well as completing data entry

McLean Hospital | Belmont, MA Jan. 2022 – Jul. 2024

Clinical Research Assistant II, Motivated Learning & Memory Laboratory

Principal Investigators: Daniel G. Dillon, Ph.D. & Arkadiy L. Maksimovskiy, Ph.D.

Projects: [Computational Mechanisms of Memory Disruption in Depression](#); [Inducing Mirth to Improve Memory in Depression](#) (respectively)

- Managed recruitment procedures, including tracking responses to the screening survey, monitoring Meta ad performance/spending, conducting phone screening (>200 screens), and consenting/scheduling both healthy controls and depressed participants
- Collected EEG (>160 sessions), fMRI, cognitive, behavioral, video, and audio data from healthy and depressed adults during study visits; responsible for completing data entry and managing data storage
- Administered the Miniature International Neuropsychiatric Interview (MINI) to determine participant eligibility (>80 assessments) under the direction of Dr. Arkadiy L. Maksimovskiy
- Established automated preprocessing streams for EEG resting-state data with the guidance of Drs. Dillon & Maksimovskiy; developed code to accomplish this goal using *eeglab* in MATLAB
- Assisted with the maintenance of the EEG equipment, including collaborating with another research assistant on an electrode-testing standard operating procedure to be used throughout the Center for Depression, Anxiety and Stress Research (CDASR), directed by Diego Pizzagalli at McLean Hospital
- Discussed relevant literature in the field, particularly regarding altered emotional memory in individuals with depression, reversal learning in depression, alpha power in EEG resting-state data, and the oddball paradigm
- Maintained regulatory paperwork for ongoing EEG studies within the lab, including preparing IRB amendments and ensuring adherence to study protocols
- Processed participant payments, prepared expense reports, and ordered equipment for ongoing studies
- Reviewed radiology reports following MRI sessions using an electronic medical system (EPIC)
- Supervised a student volunteer in tasks such as phone screening and data entry

McLean Hospital | Belmont, MA May 2021– Dec. 2021

Undergraduate Student Visitor, Motivated Learning & Memory Laboratory

Principal Investigator: Arkadiy L. Maksimovskiy, Ph.D.

- Aided the principal investigator with preparation of stimuli in an ongoing project examining how memory is altered in individuals with depression; responsibilities

included writing a Python program altering luminance, creating control images using MATLAB, and writing visual descriptions for the 300-image stimulus set

- Phone screened participants for an ongoing study under the supervision of the laboratory's research assistant; actively recorded participants' answers using REDCap and provided recommendations to the research assistant on whether the participants were likely to meet criteria for the study

Gordon College | Wenham, MA

Jan. 2020 – Dec. 2021

Student Research Assistant, Clinical Perception Laboratory

Principal Investigator: Daniel J. Norton, Ph.D.

- Assisted in various projects examining how depression was associated with differences in basic visual processes, such as center-surround suppression
- Spearheaded a team of research assistants for a poster accepted and displayed at the 2020 New England Psychological Association virtual conference
- Under the direction of the principal investigator, led fellow student research assistants in an ongoing project, including conducting literature reviews, drafting the paper, collaborating with colleagues from other universities, and running data analyses/creating graphs in MATLAB

TEACHING EXPERIENCE

Purdue University | West Lafayette, IN

Aug. 2024 – Dec. 2024

Teaching Assistant, Department of Psychological Sciences

Course: PSY350 – Abnormal Psychology

RELEVANT SKILLS

Neuroimaging & Psychophysiological Methods:

- Setup, administration, and cleanup of a 97-electrode Brainvision EEG system
- Cleaned, processed, and analyzed resting-state EEG data using *eeglab* within MATLAB
- Salivary cortisol collection for a study using the Socially Evaluated Cold Pressor Task
- MRI participant safety screening and session prep, including use of MRI simulator
- MRI setup, including setup of computers and button box
- MRI safety certification completed May 2022

Psychological Assessment Training

- Administration of the Miniature International Neuropsychiatric Interview (MINI)

Data Analysis/Entry Skills:

- Advanced knowledge of REDCap, SPSS, LabArchives, Microsoft Office
- Proficient in MATLAB (including *eeglab*); working knowledge of RStudio, Python

General Study Session Procedures:

- Used PsychoPy and Pavlovia to administer memory tasks designed by Drs. Dillon & Maksimovskiy

- Set up and used professional-grade audiovisual equipment to obtain footage of participants reacting to a video compilation for Dr. Maksimovskiy’s K01
- Administration of questionnaires using REDCap

Administrative Skills:

- Managed advertising for participant recruitment, including Meta Ads, Rally (study recruitment resource offered through Mass General Brigham affiliated hospitals), student job boards, flyers, etc
- IRB protocol management (including amendments, staff updates, other events, etc.) & maintained study records for ongoing compliance
- Managed purchasing for several of the lab’s ongoing studies, as well as processing expense reports

AFFILIATIONS/MEMBERSHIPS

Society for Psychophysiological Research	Sept 2024 – Present
<ul style="list-style-type: none"> • Includes membership in the Committee to Promote Student Interests, with specific involvement in Primarily Undergraduate Institution Subcommittee 	
Phi Alpha Chi Academic Honors Society	May 2022 - Present
<ul style="list-style-type: none"> • An honor established by Gordon College, granted to the top fifteen percent of the graduating class 	
Psi Chi International Honors Society	May 2021 – Present
New England Psychological Association	Oct. 2020 - Oct. 2021

ACTIVITIES/LEADERSHIP

CDASR Diversity, Equity, & Inclusion (DEI) Committee Member	Jan. 2022 – Jul. 2024
<ul style="list-style-type: none"> • Engaged in monthly meetings aimed at developing initiatives to increase inclusivity and accessibility of research • Participated in weekly meetings of the Inclusive Neurotechnology Subcommittee, whose chief aim is to discern ways to collect clean EEG data from participants with hairstyles that are typically excluded from this methodology (e.g. those with cornrows, dreadlocks, etc.); efforts culminated in IRB approval of a pilot study • As of July 2023, co-facilitated meetings of the Supporting Student Visitors subcommittee, which aims to find sources of funding for prospective/current student interns as well as giving them the tools to locate and succeed in post-baccalaureate careers • Co-led an initiative to install a ramp in our EEG room to allow accessibility for individuals with mobility aids • Co-facilitated biweekly discussions of <i>The Protest Psychosis: How Schizophrenia Became a Black Disease</i> as a member of the DEI book club 	

Updated January 27, 2025