

# Griffin Light

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(505) 423-0586

## Education

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Yale University Graduate School of Arts and Sciences:

- PhD student, Cognitive Psychology, advised by Drs. Randolph Helfrich and Samuel McDougale.

University of Utah Honors College, Salt Lake City, Utah:

- Psychology HBSc., Cognitive Science minor, Music minor.
- 4.0 cumulative GPA, graduated Spring 2025.
- Honors thesis: *Filler Word Disfluencies in Verbal Free Recall* (advised by Dr. Cory Inman)

## Research and Teaching Experience

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Independent Study Research Assistant, INMAN Lab, University of Utah, May 2022-May 2025:

- Performed LFP analysis in Python to test novel hypotheses concerning hippocampal theta oscillations underlying verbal recall.
- Performed manual subcortical segmentation and electrode localization in Freesurfer and ITK-Snap to help examine individual differences in response to amygdala stimulation for memory enhancement.
- Performed stimulation visualizations in Lead-DBS to assess the impact of electrode location on stimulation response.
- Administered behavioral testing protocols to large participant groups to help examine event segmentation in real world navigation.

Tutor (Fall 2023) and Lead Tutor (Spring 2024-2025), University of Utah Learning Center:

- Provided one-on-one instruction to students in psychology, Python programming, statistics, and deductive logic classes.
- As a Lead Tutor: Trained and managed incoming tutors, designed and administered professional development training sessions, and met with Learning Center staff to assess and improve the quality of services offered.

Student Grader, University of Utah Department of Philosophy, Fall 2023:

- Graded assignments and provided academic support to students in an undergraduate deductive logic course.

Rock Climbing Instructor, Summer 2022:

- Coached elementary-age children in basic rock climbing techniques.

Private Instrumental Teacher, academic year 2019/20 and Summer 2022:

- Taught elementary school students basic methods on the flute.

## Publications

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Hollearn, M. K., Manns, J. R., Blanpain, L. T., Hamann, S. B., Bijanki, K., Gross, R. E., Drane, L. D., Campbell, J. M., Wahlstrom, K. L., **Light, G. F.**, Tasevac, A., Demarest, P., Brunner, P., Willie, J. T., Inman, C. S. (in press). Exploring individual differences in amygdala-mediated memory modulation. *Cognitive, Affective, and Behavioral Neuroscience*.

## Posters

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**Light, G. M. F.**, Hollearn, M. K., Wahlstrom, K. L., Inman, C. S. (2024). Building a Data Processing Pipeline for Tissue and Pathway Activation Modeling in Human Amygdala Stimulation for Memory Modulation. University of Utah Undergraduate Research Symposium.\*  
\*Presenter.

Hollearn, M. K., Blanpain, L., Manns, J. R., Hamann, S. B., Bijanki, K., Gross, R. E., Drane, D., Campbell, J. M., Wahlstrom, K. L., **Light, G. F.**, Willie, J. T., Inman, C. S. (2024). Local field potential of subsequent object memory post human amygdala-mediated memory modulation in the medial temporal lobe. Snowbird Neuroscience Symposium, Salt Lake City, UT.

Hollearn, M. K., Blanpain, L., Manns, J. R., Hamann, S. B., Bijanki, K., Gross, R. E., Drane, D., Campbell, J. M., Wahlstrom, K. L., **Light, G. F.**, Willie, J. T., Inman, C. S. (2024). Electrophysiology of stimulation parameter in human amygdala-mediated memory modulation. Federation of European Neuroscience Society, Austria, Vienna.

Hollearn, M. K., Blanpain, L., Manns, J. R., Hamann, S. B., Bijanki, K., Gross, R. E., Drane, D., Campbell, J. M., Wahlstrom, K. L., **Light, G. F.**, Willie, J. T., Inman, C. S. (2024). Factors of direct human amygdala stimulation for memory modulation. Neurobiology of Learning and Memory Conference, Park City, UT.

Hollearn, M. K., Blanpain, L., Manns, J. R., Hamann, S. B., Bijanki, K., Gross, R. E., Drane, D., Campbell, J. M., Wahlstrom, K. L., **Light, G. F.**, Willie, J. T., Inman, C. S. (2023). Exploring individual differences and stimulation parameters in amygdala-mediated memory modulation. Society for Neuroscience, Washington D.C.

## Honors and Awards

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- University of Utah Undergraduate Research Opportunity Program, Spring 2024
- University of Utah Dean's List, Fall 2021-Spring 2025.
- National Merit Scholarship, academic year 2021/22-2024/25.
- Western Undergraduate Exchange Scholarship, academic year 2021/22-2024/25.
- University of Utah Wind Ensemble Concerto Competition, Winner, Spring 2023.
- National Honor Society, academic years 2018/19-2020/21.

- National Association for Music Education All-National Honor Band, Flute 1, 2020.
- New Mexico All State Honor Band, 2018-2021.
- North Central New Mexico Honor Band, 2017-2020.

## Volunteer Experience

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University of Utah Student Pride Center, Fall 2024:

- Provided support and resources to LGBTQIA+ students.

Flutes at the U of U, Officer, Fall 2024-Spring 2025:

- Planned and oversaw club events and meetings.
- Wrote grants and funding proposals.

## Professional and Academic References

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Cory S. Inman, PhD ([cory.inman@psych.utah.edu](mailto:cory.inman@psych.utah.edu)):

- Assistant Professor, University of Utah Department of Cognition and Neural Sciences.
- Principal Investigator, Immersive NeuroModulation and Neuroimaging Lab.
- Independent study and honors thesis advisor.

Theresa Hyland, MS ([theresa.hyland@utah.edu](mailto:theresa.hyland@utah.edu)):

- Tutor Coordinator, University of Utah Learning Center.
- Tutor and Lead Tutor supervisor.

Eliya Cohen, PhD ([eliya.cohen@utah.edu](mailto:eliya.cohen@utah.edu)):

- Assistant Professor, University of Utah Department of Philosophy.
- Assistant Professor, University of Utah Division of Games.
- Teaching assistant supervisor.

Martina K. Hollearn, MS ([martina.hollearn@psych.utah.edu](mailto:martina.hollearn@psych.utah.edu)):

- PhD student, University of Utah Cognition and Neural Sciences Program.
- Independent research mentor.