

Thomas M. Morin

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EDUCATION **Boston University**, 2017 – Present
PhD Student
Graduate Program in Neuroscience

Tufts University, 2013 – 2017
Bachelor of Science, *magna cum laude*, Thesis Honors
Cognitive & Brain Science, Computer Science
Senior Honors Thesis: *Optimizing fPET-FDG*

HONORS AND AWARDS	2017	Honorable Mention, NSF Graduate Research Fellowship Program
	2017	Joanne Mary Sullivan Prize, Tufts University Psychology Department
	2017	Barton Term Scholar for Arts and Sciences, Tufts University
	2016	SpaceX People's Choice Award, Out for Undergrad Engineering Conference
	2016	Greg Ellenoff Internship Grant, Tufts University Career Center
	2016	Psi Chi Honor Society, Tufts University Chapter
	2013-2017	Dean's List, Tufts University (5 semesters)

PUBLICATIONS Gilbert, T. M., Zurcher, N. R., Wu, C. J., Bhanot, A., Hightower, B. G., Kim, M., Albrecht, D. S., Wey, H. Y., Schroeder, F. A., Rodriguez-Thompson, A., **Morin, T. M.**, Hart, K. L., Pellegrini, A. M., Riley, M. M., Wang, C., Stufflebeam, S. M., Haggarty, S. J., Holt, D. J., Loggia, M. L., Perlis, R. H., Brown, H. E., Roffman, J. L., Hooker, J. M. (2018). PET neuroimaging reveals histone deacetylase dysregulation in schizophrenia. *The Journal of Clinical Investigation*. <https://doi.org/10.1172/JCI123743>

Strebl, M. G., Campbell, A., Zhao, W. N., Riley, M. M., Chindavong, P., **Morin, T. M.**, Haggarty, S. J., Wagner, F. F., Ritter, T., Hooker, J. M. (2017). HDAC6 Brain Mapping with [¹⁸F]Bavarostat Enabled by a Ru-Mediated Deoxyfluorination. *ACS Central Science*. 3(9), 1006-1014 <http://dx.doi.org/10.1021/acscentsci.7b00274>

Placzek, M. S., Zhao, W., Wey, H. Y., **Morin, T. M.**, & Hooker, J. M. (2015). PET neurochemical imaging modes. *Seminars in Nuclear Medicine*, 46(1), 20-27 <http://dx.doi.org/10.1053/j.semnuclmed.2015.09.001>

PRESENTATIONS **Morin, T. M.** Intro to Brain Imaging. *Guest Lecturer, Introduction to Cognitive & Brain Science (PSY 9) Course*. 2018. Tufts University. Medford, MA.

Morin, T. M. Branching Out: What a Tree Can Teach You About Your Brain? *Out For Undergrad Engineering Conference*. 2016. Stanford University, Palo Alto, CA.

Morin, T. M. Creating a Computer Simulation Tool for PET Neuroimaging. *Tufts University Undergraduate Research and Scholarship Symposium*. 2016. Tufts University, Medford, MA.

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POSTERS Cohen, J. E., **Morin, T. M.**, & Stern, C. E. *Theta Oscillations at Critical Junctures of Overlapping Mazes*. Cognitive Neuroscience Society. 2018. Boston, MA.

Morin, T. M. & Wey, H. Y. *Optimizing fPET-FDG*. Cognitive & Brain Science Senior Symposium. 2017. Tufts University, Medford, MA.

RESEARCH TRAINING **Cognitive Neuroimaging Lab**
Department of Psychological & Brain Sciences, Boston University
PhD Student Researcher, August 2017 – Present
Mentor: Chantal Stern, DPhil

Attention & Perception Neuroimaging Lab
Department of Psychological & Brain Sciences, Boston University
Lab Rotation & Collaborating Student, November 2017 – Present
Mentor: David Somers, PhD

Hooker Research Group
A. A. Martinos Center for Biomedical Imaging,
Massachusetts General Hospital, Harvard Medical School
Research Intern, April 2015 - May 2017
Mentors: Hsiao-Ying Wey, PhD, and Jacob Hooker, PhD

Memory and Cognition Lab
Department of Psychology, Tufts University
Undergraduate Research Assistant, May 2014 - May 2015
Mentor: Richard Chechile, PhD

TEACHING EXPERIENCE **Introduction to Cognitive and Brain Science**
Teaching Assistant, Spring 2017
Department of Psychology, Tufts University

American Sign Language I, II, and III
Tutor, Fall 2016
Academic Resource Center, Tufts University

ADDITIONAL EXPERIENCE **Mentor 2.0, Big Brothers Big Sisters of Massachusetts Bay**
Volunteer Mentor: August 2017 - Present

Office of Residential Life and Learning, Tufts University
Senior Resident Assistant, August 2016 - May 2017
Resident Assistant, August 2014 - May 2016

Tufts Psychology Society
Class of 2017 Representative, September 2015 - May 2017

Alzheimer's Association: The Longest Day
Event Guide, June 2016

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Enigma: Tufts Independent Data Journal

Contributing Author, January 2016 - May 2016

DeafBlind Contact Center

Student Volunteer, Spring 2016

SKILLS Programming Languages

- “Fluent” in C, C++, Python, MATLAB, Shell Scripting
- Experience with HTML/CSS, R, Lisp

Neuroimaging Software

- FSL, Freesurfer, AFNI, PMOD, Mango

Key Concepts

- PET, fMRI, and EEG study design, data collection & analysis
- Machine learning for analysis of functional connectivity data
- Implementation of kinetic models for PET