

# Thomas M. Morin

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**EDUCATION** **Boston University**, Beginning Fall 2017  
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*

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**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)

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**PUBLICATIONS** 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 [<sup>18</sup>F]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>

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**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 Junctions 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.

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**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

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**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

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**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

**Enigma: Tufts Independent Data Journal**  
*Contributing Author*, January 2016 - May 2016

**DeafBlind Contact Center**  
*Student Volunteer*, Spring 2016

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## **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