Thomas M. Morin

www.tmMorin.com | tommorin@bu.edu

EDUCATION

Boston University, 2017 – Present
PhD Student, Computational Neuroscience
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 [^{18}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

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.

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