

Keri-Lee Garel

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Education **Massachusetts Institute of Technology** *Cambridge, MA*
S.B. in Brain and Cognitive Sciences June 2010
Selected Coursework: Cognitive Neuroscience, Lab in High-Level Cognition, fMRI in High-Level Vision, A Clinical Approach to the Human Brain, Lab in Neurobiology, Biochemistry, Organic Chemistry I/II, Probability and Statistics

Work Experience **TRANSCEND Research Group, Massachusetts General Hospital** *Boston, MA*
Clinical Research Coordinator August 2013 – Present

- Study the biological and neurological bases of Autism Spectrum Disorders (ASD) to develop individualized treatment plans for ASD children; examine differences between typically developing and ASD children in sensory processing and neural connectivity
- Recruit and schedule participants for scientific studies
- Administer cognitive testing, MEG, and MRI
- Update and maintain experimental protocols and study databases

Gabrieli Lab, MIT McGovern Institute for Brain Research *Cambridge, MA*
Technical Assistant July 2010 – June 2013

- Identify key indicators of and early interventions for reading disabilities in children
- Predict language learning ability in adult foreign language learners
- Understand the neural and cognitive effects of working memory training on high-level cognition and fluid intelligence
- Recruit and schedule participants for scientific studies
- Administer on- and off-site cognitive testing, EEG, and fMRI
- Update and maintain experimental protocols and study databases

Posters and Presentations

- Qi Z, Perrachione T, Han M, **Garel K**, Chen E, Finn A, Gabrieli J. Functional brain imaging predicts foreign language learning success in the classroom. Cognitive Neuroscience Society 21st Annual Meeting, Boston, MA. April 5-8, 2014.
- Han M, Qi Z, Murtagh J, **Garel K**, Chen E, Gabrieli J. White matter integrity predicts adult second language learning outcomes. Cognitive Neuroscience Society 21st Annual Meeting, Boston, MA. April 5-8, 2014.
- Thompson TW, Waskom ML, **Garel K-LA**, Cardenas-Iniguez C, Reynolds GO, et al. (2013) Failure of Working Memory Training to Enhance Cognition or Intelligence. PLoS ONE 8(5): e63614. doi:10.1371/journal.pone.0063614.
- Ozernov-Palchik O, Norton ES, Cyr AB, Beach SD, **Garel KA**, Gabrieli JDE, Gaab N. Examining at-risk classification for future reading disability in kindergarteners. Cognitive Neuroscience Society 19th Annual Meeting. Chicago, IL. April 1-4, 2012.
- Norton ES, Beach SD, Cyr AB, Ozernov-Palchik O, **Garel KA**, Perrachione TK, Wolf M, Gabrieli JDE, Gaab N. Brain differences in kindergarten children with and without behavioral risk for dyslexia: Toward finding fMRI and EEG predictors of reading difficulties. Society for the Scientific Study of Reading 19th Annual Meeting. Montreal, Canada. July 11-14, 2012.

MIT Senior House *Cambridge, MA*
President 2008; Vice President 2009; Desk Worker 2008-2010; Desk Captain 2010

- Front desk staffing duties: set work schedules, addressed employee concerns, hired and trained new workers, and dealt with security and resident issues within the dormitory
- Organized the 2009 Steer Roast, MIT's largest student-run annual reunion for alumni - Coordinated a team of 25 undergraduate students in charge of contacting 2000 alumni, booking bands for a two-day concert, catering a 400-person feast,

developing risk management plans, and creating art pieces and gallery installations

- Member of the Housemaster Selection Committee from February 2009 to May 2010
- Center for Talent Development at Northwestern University** *Evanston, IL*
Residential Teaching Assistant Summer 2007 + 2009

- Acted as a live-in counselor and TA for gifted high school students enrolled in Neuroscience Honors and AP Physics B through a residential summer program
- Conducted exam reviews, nightly office hours, and one-on-one tutoring as necessary for classes of ~15 students

MIT Admissions *Cambridge, MA*
Admissions Blogger 2006 –2010

- Maintained a blog on the MIT Admissions site providing an inside look at life at MIT
- Conducted information sessions at MIT for visiting students and families

Outside Activities

WMBR 88.1 FM // Technology Broadcasting Corporation *Cambridge, MA*
TBC Member-At-Large since 2014 October 2006 – Present
Campus Promotions Director 2008 + 2009
Volunteer DJ

- DJ, Announcer, and Producer, *DJ Awesome and the Wonderfriends* – a weekly music show featuring rock, punk, and new wave music from the 1970s and 1980s, now in its eighth year
- Certified On-The-Air engineer and student trainer since 2007
- Appointed by MIT President L. Rafael Reif to the TBC in June 2013

MIT Medlinks *Cambridge, MA*
Membership Coordinator 2007-2008 2006-2010

- Provided students with support and health education
- Acted as an accessible resource connecting students with on-campus medical services
- Interviewed and selected an incoming 50-student cohort from over 100 applicants

Freshman Arts Program *Cambridge, MA*
Photography Counselor August 2009

- Taught a one-week course in digital and film photography, featuring composition, developing, printing, and post-processing

Skills and Interests

- Proficient across multiple operating systems with Microsoft Office Suite; FileMaker Pro HTML/CSS; Adobe Creative Suite (Photoshop, Dreamweaver); Final Cut Pro
- Experience with Python, Java, SPSS, E-Prime, and MATLAB
- Familiar with MNE, FreeSurfer, SPM, and FSL
- Amateur photographer, with work previously exhibited at MIT's Wiesner Student Art Gallery and Boston University's Photographic Resource Center

Honors and Awards

- MIT William L. Stewart Award for outstanding contributions to extracurricular events
- National Merit Scholar
- National AP Scholar