

TORI TURPIN

Cambridge, MA 02140 • (617) 899-1000 • turptori@umich.edu • [linkedin.com/in/tori-turpin](https://www.linkedin.com/in/tori-turpin)

TECHNICAL SKILLS

Operating Systems: Windows, Linux

Database Analysis: SQL, R, Python, Matlab, SPSS, SPM, Freesurfer, Microsoft Access, Excel

Database Management: REDCap, LabArchives

PROFESSIONAL EXPERIENCE

McLean Hospital (Harvard Brain Tissue Resource Center)

05/2022 - Present

Research Project Manager

- o Train and supervise 10+ staff in brain tissue donation, dissection, and distribution for the NIH NeuroBioBank.
- o Implement projects to enhance research operations such as database transformation to EDC system..
- o Ensure data management processes protect confidential PII/PHI in compliance with FDA, HIPAA regulations.
- o Assist ISO and IT teams with solutions to secure databases and devices according to FIPS 140-2 standards.
- o Validate, analyze, and visualize clinical/medical data with SQL to generate quarterly reports and presentations.
- o Oversee QC and lab safety standards with proper handling, preparation, storage, and shipment of specimens.
- o Prepare and develop SOPs, IRB protocols, security audits, device inventory, budgets, and grant preparation.

Massachusetts General Hospital (TMS/EEG/fMRI Labs)

10/2019 - 05/2022

Senior Clinical Research Coordinator

- o Led MRI/EEG/MEG/TMS data acquisition, recruitment, screening, scheduling and consenting participants.
- o Wrote and developed fMRI image processing and analysis pipelines using Matlab, Linux, and Freesurfer.
- o Established multi-site research collaborations with external institutions using single IRB reliance agreements.
- o Created regulatory documentation (SAEs, violations), IRB protocols, grant proposals, and REDCap database.

University of Michigan (Jonides Cognitive Neuroimaging Lab)

09/2018 - 06/2019

Research Assistant

- o Investigated effects of ADHD and tDCS neuromodulation on cognitive performance via working memory tasks.
- o Conducted neuropsychiatric scales and clinical interviews with adult populations.
- o Cleaned behavioral and MRI brain imaging data in UNIX, examined neural correlates of working memory.

Early Learning Lab (University of California, Berkeley)

06/2018 - 09/2018

Research Intern

- o Designed study elements and ran experiments probing causal inference and learning strategies in 3-12 year olds.
- o Assessed probabilistic models of cognitive development via data collection and video-coded social interactions.

PUBLICATIONS

Kotlarz, P., Lankinen, K., Hakonen, M., **Turpin, T.**, Polimeni, J. R., & Ahveninen, J. (2023). Multilayer Network Analysis across Cortical Depths in Resting-State 7T fMRI. *bioRxiv: the preprint server for biology*, 2023.12.23.573208. <https://doi.org/10.1101/2023.12.23.573208>

Turpin, T., Uluç, I., Kotlarz, P., Lankinen, K., Mamashli, F., & Ahveninen, J. (2023). Comparing auditory and visual aspects of multisensory working memory using bimodally matched feature patterns. *bioRxiv: the preprint server for biology*, 2023.08.03.551865. <https://doi.org/10.1101/2023.08.03.551865>

Lankinen, K., Ahlfors, S. P., Mamashli, F., Blazejewska, A. I., Raij, T., **Turpin, T.**, Polimeni, J. R., & Ahveninen, J. (2023). Cortical depth profiles of auditory and visual 7 T functional MRI responses in human superior temporal areas. *Human brain mapping*, 44(2), 362–372. <https://doi.org/10.1002/hbm.26046>

EDUCATION

University of Michigan
BS in Biopsychology, Cognition, and Neuroscience

CERTIFICATIONS

- 2023 International Air Transport Associate (IATA) - McLean Hospital
- 2023 MGB HRA Good Clinical Practice (GCP) - Massachusetts General Hospital
- 2020 Intensive TMS (Transcranial Magnetic Stimulation) - Harvard Medical School
- 2020 MRI Safety and Operations Certification - Martinos Center for Biomedical Imaging