

EMMALEIGH T. LOYER, MS, CCC-SLP

EDUCATION

MGH Institute of Health Professions , Charlestown, MA <i>Master of Science in Communication Sciences and Disorders</i>	2017 - 2019
▪ GPA: 3.98	
Northwestern University , Evanston, IL <i>Northwestern School of Professional Studies</i> Prerequisite courses in Speech-Language Pathology & Communication Disorders	2015 - 2017
Bates College , Lewiston, ME <i>Bachelor of Science in Neuroscience</i> Concentrations: Public Health & Psychology	2010 - 2014

PROFESSIONAL EXPERIENCE

Spaulding Rehabilitation Hospital , Boston, MA <i>Inpatient Speech-Language Pathologist, CCC-SLP</i>	March 2021 - present
▪ Evaluate and diagnose adults and pediatric patients with a variety of medical diagnoses (i.e., amputation, traumatic burn, TBI, stroke). ▪ Carry out evidence-based therapies to address deficits in cognition, swallowing, motor speech, and voice. ▪ Collaborate with the interprofessional rehabilitation team to promote high-quality patient care. ▪ Educate patients and families regarding diagnosis, treatment, and strategies to support optimal functioning.	
MGH Institute of Health Professions , Charlestown, MA <i>Teaching Assistant: Anatomy and Physiology of the Speech, Language, and Hearing Mechanism</i>	January 2021 - present
▪ Actively collaborate with teaching assistants and the primary course instructor. ▪ Contribute to class discussion forums in order to answer questions and support student learning. ▪ Facilitate review sessions to reinforce material and supplement independent work. ▪ Grade student assignments throughout the semester and provide any necessary guidance and feedback.	
MGH Frontotemporal Disorders Unit , Charlestown, MA <i>Outpatient Speech-Language Pathologist, CCC-SLP (08/20- present), CF-SLP (09/19 – 07/20)</i>	September 2019 – March 2021
▪ Worked closely with patients diagnosed with PPA and other neurodegenerative conditions (i.e., AD, PSP, ALS). ▪ Developed and implemented the FTD Unit's telepractice evaluation protocols. ▪ Presented at MGH FTD rounds and contributed to presentations for community members and professionals. ▪ Organized and facilitated a patient support group for individuals with PPA. ▪ Research responsibilities included: Administering speech and language testing, managing data, interpreting results, writing evaluation reports, completing literature reviews, and collaborating with the interprofessional team to design new research projects.	

Northwestern University, Feinberg School of Medicine , Chicago, IL <i>Research Coordinator: Cognitive Neurology and Alzheimer's Disease Center</i>	June 2014 - June 2017
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Principal Investigators: Emily Rogalski, Ph.D. & Marsel Mesulam, M.D.

- Administered neuropsychological testing and wrote research reports for patients with PPA.
- Provided support for a study on the feasibility of internet-based speech therapy for patients with aphasia.
- Contributed to research investigating the usefulness of PET imaging in the study of individuals with PPA.
- Acted as the primary coordinator of a study on "SuperAgers", individuals over the age of eighty with extraordinary memory capacity.

MGH Frontotemporal Disorders Unit, Charlestown, MA**March 2019 – July 2019***Graduate Student Clinician*

- Worked with the FTD Unit's care team to evaluate and treat patients with PPA and other neurodegenerative conditions.
- Administered speech, language, and cognitive testing and conducted patient and care partner interviews.
- Interpreted the results of speech-language evaluations and entered data into the FTD Unit research database.
- Assisted the multidisciplinary team with patient referrals and clinical care coordination.

Ayers Ryal Elementary School, Beverly, MA**January 2019 - April 2019***Graduate Student Clinician*

- Provided intervention to thirty-six students (K-4) in the areas of language, articulation, and pragmatic skills.
- Designed personalized activities to target multiple goals for individual and group therapy sessions.
- Administered speech and language assessments to monitor student progress and inform therapy decisions.
- Actively participated in Individual Education Plan (IEP) meetings with families and school faculty.
- Collaborated with general and special educators to develop in-class writing intervention plans.

Brigham and Women's Hospital, Boston, MA**September 2018 - December 2018***Graduate Student Clinician*

- Performed bedside swallowing evaluations for patients with oropharyngeal dysphagia.
- Led follow-up treatment sessions for patients on the general medical floors and in the emergency department and Neuro and Cardiac ICUs.
- Educated patients and care partners about diet modifications and swallowing exercises.
- Assisted the SLP team with FEES and MBS evaluations and interpreted studies using the MBSImP approach.
- Composed daily medical documentation in EPIC to effectively convey evaluation findings to medical teams.
- Independently lectured during the Brigham and Women's Speech and Language Continuing Education Series.

MGH IHP Speech, Language and Literacy Center, Charlestown, MA**October 2017 - May 2018***Graduate Student Clinician*

- Administered diagnostic assessments of written and spoken language to develop treatment plans.
- Provided Orton-Gillingham therapy to students with expressive language disorders, dyslexia, and executive function disorders.
- Participated in weekly clinical meetings to review client profiles and discuss treatment goals.

SERVICE & INTERNSHIPS

Massachusetts Speech-Language Hearing Association (MSHA), Boston, MA**July 2020 - present***Vice President of Administration*

- Act as a member of the MSHA Executive Council and attend monthly group meetings.
- Promote professional growth opportunities for graduate students and speech-language pathologists.

MGH Institute of Health Professions, Charlestown, MA**September 2017 - August 2018***Graduate Assistant: Cognitive Neuroscience Group*

- Administered cognitive and speech and language assessments to individuals with stroke aphasia.
- Analyzed data from several ongoing aphasia research studies.
- Actively collaborated with the research team during Cognitive Neuroscience Group biweekly meetings.

Starlight Children's Foundation, Chicago, IL**June 2013 - August 2013***Non-Profit Event Coordinator*

- Organized six "Great Escape" events for seriously ill children and their families.
- Managed the foundation's informational database, event calendar, and communication with families.

MEMBERSHIPS & CERTIFICATIONS

- American Speech and Hearing Association (ASHA)
- Massachusetts Speech-Language Hearing Association (MSHA)
- Clinical Dementia Rating (CDR) trained through the St. Louis Alzheimer's Disease Center
- MRI technician certified through Northwestern Center for Translational Imaging

PUBLICATIONS

E.H., Weintraub, S., **Loyer, E.T.**, Mesulam, M.M., Geula, C., Rogalski, E.J. (2018). Associations of *MAP2K3* Gene Variants with Superior Memory in SuperAgers. *Frontiers in Aging Neuroscience*, 25:155.

Cook, A.H., Kielb, S., **Loyer, E.**, Mesulam, M.M., Rademaker, A., Weintraub, S., McAdams, D., Logan, R., & Rogalski, E. (2017). Psychological well-being in elderly adults with extraordinary episodic memory. *PLoS One*, 12(10).

GUEST LECTURES, PRESENTATIONS & PUBLISHED ABSTRACTS

Guest lecturer at the MGH Outpatient Department of Speech, Language, and Swallowing Disorders (2020, February). Topic: Interprofessional Approaches to Evaluation and Treatment of Frontotemporal Disorders.

MGH FTD Unit Learning Livecast Video (2019, December). Topic: More than words- Understanding PPA.

MGH FTD Unit Grand Rounds (2019, October). Topic: A 53-year-old foreman and coach who became disorganized, inattentive, anxious, and perseverative.

Student Lecturer at Brigham and Women's Speech and Language Continuing Education Series (2018, December). Topic: Dysphagia and Dementia.

Huentelman, MJ, Piras, IS, Siniard, AL, De Both, MD, Richholt, RF, Bigio, E, Weintraub, S, **Loyer, ET**, Mesulam, MM, Geula, C, & Rogalski, E. (2017). *Association of MAP2K3 gene variation and the SuperAging phenotype detected by whole exome sequencing*. Alzheimer's Association International Conference, London, England.

Cook, A.H., **Loyer, E.**, Connelly, M., Rademaker, A., Mesulam, M.M., Weintraub, S., & Rogalski, E. (2017). *Is unusually high working memory performance associated with SuperAger's superior episodic memory performance?* The International Neuropsychological Society 45th Annual Meeting, New Orleans, LA.

Rogalski, E., Gefen, T., Cook, A., Bigio, E.H., **Loyer, E.**, Weintraub, S., Geula, C., & Mesulam, M.-M. (2016). *The SuperAging Study: Neurobiologic factors coupled with unusually high episodic memory over age 80*. International Conference on Memory, Budapest, Hungary.

Cook, A.H., **Loyer, E.**, Mesulam, M.M., Weintraub, S., Breiter, H., Rogalski, E., & Reilly, J. (2015). *The modified Sternberg paradigm measures load and delay components of working memory in cognitive SuperAgers*. Society for Neuroscience 45th Annual Meeting, Chicago, IL.

Sridhar, J., Rainford, A., Plantz, M., Rader, B., **Loyer, E.**, Saxon, M., Connelly, M., Martersteck, A., Wang, A., Lipowski, K., Oboudiyat, C., Hurley, R., Bonakdarpour, B., Catani, M., Cobia, D., Weintraub, S., Mesulam, M.M. & Rogalski, E. (2016). *Neuroimaging at Northwestern Alzheimer's Disease Center*. Alzheimer Day, Northwestern University, Chicago, IL.

Loyer, E., Saxon, M., Connelly, M., Gefen, T., Cook, A., Kielb, S., Sridhar, J., Kukreja, L., Abbassian, P., Ohm, D., Weintraub, S., Geula, C., Mesulam, M.M. & Rogalski, E. (2016). *The Northwestern SuperAging Study*. Poster presentation at Alzheimer Day, Northwestern University, Chicago, IL.

Loyer, E., Saxon, M., Rader, B., Whitney, K., Rezutek, A., Gefen, T., Cook, A., Kielb, S., Sridhar, J., Chakraborty, S., McKenna, H., Kukreja, L., Abbassian, P., Weintraub, S., Geula, C., Mesulam, M.M., & Rogalski, E. (2015). *The Northwestern SuperAging Study*. Poster presentation at Alzheimer Day, Northwestern University, Chicago, IL.