

CURRICULUM VITAE

Baothy Huynh, OTD, OTR/L

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EDUCATION

MGH Institute of Health Professions, Boston, MA

PhD in Rehabilitation Science

Anticipated 2025

MGH Institute of Health Professions, Boston, MA

Doctor of Occupational Therapy

2019

Loyola University Chicago, Chicago, IL

Bachelor of Science

2015

Major: Biology | Minor: Psychology

ACADEMIC APPOINTMENTS

MGH Institute of Health Professions | *Boston, MA*

Research Fellow

Sep 2021 – Present

ADDITIONAL SKILLS

Statistical Analysis (R, Matlab), Clinical Study Design, Good Clinical Practice (GCP), Clinical Trials, Regulatory Documentation, MS Office

PEER REVIEWED PUBLICATIONS

Huynh BP., DiCarlo, J., Vora, I., Ranford, J., Gochyyev, P., Lin, D., & Kimberley, T. J. (2023). Sensitivity to change and responsiveness of the upper extremity Fugl-Meyer assessment in individuals with moderate to severe acute stroke. *Neurorehabilitation and Neural Repair*. <https://doi.org/10.1177/15459683231186985>

Wang Y., Vora I., **Huynh BP.**, Picard-Fraser M., Daneshzand M., Nummenmaa A., Kimberley TJ. (2023) Coils are not created equal: Effects on TMS Thresholding. *Brain Stimulation: Basic, Translational and Clinical Research in Neuromodulation*. 2024;17(1):1-3.doi:10.1016/j.brs.2023.11.017

Kuo, Y. L., Chen, M., Huynh, B. P., & Kimberley, T. J. (2024). Task-dependency of the cerebellar-motor network in adductor laryngeal dystonia. *Parkinsonism & related disorders*, 125, 107038. [https://doi-org.treadwell.idm.oclc.org/10.1016/j.parkreldis.2024.107038](https://doi.org.treadwell.idm.oclc.org/10.1016/j.parkreldis.2024.107038)

Vora, I, McKiernan S, **Huynh BP**, DiCarlo J, Kimberley, T. J, Lin, D. (2023). Corticospinal excitability and injury are related to hand dexterity, not strength, after acute stroke. *Neurorehabilitation and Neural Repair*. (Submitted)

PRESENTATIONS AND POSTERS

Huynh B, Wang Y, Chen M, Narinsky E, Kuo YL, Kimberley TJ (2024, September 27). *Task-Based Functional Imaging in Task-Specific Focal Dystonia during Dystonia-Related and -Unrelated Tasks*. [Conference Poster]. International Parkinson and Movement Disorder Society. Philadelphia, PA.

Wang Y, Hu D, Chen M, **Huynh B**, Burns J, Liu H, Kimberley TJ (2023, November 11-15). *Preliminary network changes in action-specific focal dystonia using individualized cortical parcellation*. [Conference Poster]. Society for Neuroscience. Washington, DC.

Vora I, Mckiernan S, **Huynh B**, Kimberley TJ, Lin D. (2023, September 14). *The relationship of corticospinal tract (CST) measures with hand strength and dexterity after acute stroke*. [Conference Poster]. Annual Mass General Neuroscience Day. Boston, MA.

Wang Y, Hu D, Addison RA, **Huynh B**, Liu H, Kimberley TJ. (2023, June 1-3). *Preliminary functional changes in superior temporal gyrus in task-specific focal dystonia based on individualized parcellations*. 6th International Dystonia Symposium [Conference Poster]. Dublin, Ireland.

Huynh B, Chen M, Kimberley TJ, Kuo YL. (2023, June 1-3). *Probing the Inhibitory Motor Circuits in Adductor Laryngeal Dystonia during a Dystonia-Unrelated Finger-Tapping Task*. 6th International Dystonia Symposium [Conference Poster]. Dublin, Ireland.

Vora I, McKiernan S, **Huynh B**, Hochberg L, Kimberley TJ, Lin D. (2023, March 13-17). *Investigating the relationship between anatomical and physiological measures of the corticospinal tract and upper extremity motor function after acute stroke*. American Society for Neurorehabilitation Annual Meeting [Conference Poster]. Charleston, South Carolina.

Wang Y, Wartman W, Vora I, Miles A, **Huynh B**, Kimberley TJ. (2023, February 18-22). *Effect of head positioning on TMS intensity: E-field modeling and validation*. 5th International Brain Stimulation Conference [Oral presentation], Lisbon, Portugal.

Huynh, B., DiCarlo, J., Vora, I., Gochyyev, P., Ranford, J., Lin, D., Kimberley, T. (2022, November). *Sensitivity to change and responsiveness of The Fugl-Meyer Assessment - Upper-Extremity in Individuals with Moderate to Severe Acute Stroke*. *Archives of Physical Medicine and Rehabilitation* [Conference Poster], 103(12), e83–e84.
<https://doi.org/10.1016/j.apmr.2022.08.648>

Wang, Y., Daneshzand, M., Vora, I., **Huynh, B.**, Ackley, K., Nummenmaa, A., Kimberley, T. (2022, August). *Coil matters for rTMS dosing: A pilot study using E-field modeling* Brain and Human Body Modeling (BHBM) Conference 2022 [Conference Presentation], Boston, MA

Huynh, B., Lin, D., DiCarlo, J., Gochyyev, P., Ranford, J., Kimberley, T. (2022, March). *Sensitivity to change and responsiveness of the upper-extremity Fugl-Meyer in individuals with acute stroke*. American Society for Neurorehabilitation Annual Meeting [Conference Poster]. St. Louis, Missouri

Huynh, B., McMahon, L. (2020, February). Making it (Fun)ctional: *Introductions to 3D Printing and Clinical Applications*. Assistive Technology Industry Association (ATIA) Conference [Educational Breakout Session]. Orlando, FL.

Huynh, B., McMahon, L., Dellea, P., Fasoli, S (2020, April). *Development of a 3D Printing Proposal for Boston Children’s Hospital Augmentative Communication Program*. American Occupational Therapy Association (AOTA) Conference [Virtual Poster].

McMahon, L., **Huynh, B.** (2020, April). *Measuring the Effect of Assistive Technology Use on occupational performance and Quality of Life in individuals with ALS*. American Occupational Therapy Association (AOTA) Conference [Virtual technology panel].

HONORS AND AWARDS

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|---|------------------|
| American Association of University Women (AAUW) American Fellowship | 2024-2025 |
| Dystonia Medical Research Foundation (DMRF) and Dystonia Europe (DE) Samuel Belzberg 6th International Dystonia Symposium Travel Award | 2023 |
| American Congress of Rehabilitation Medicine (ACRM) Stroke ISIG Early Career Poster Award | 2022 |
| MGH Institute of Health Professions Dr. David Krebs Doctoral Research Fund Award | 2022 |
| MGH Institute of Health Professions Award for Student Innovation | 2019 |

TEACHING ACTIVITIES

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| MGH Institute of Health Professions <i>Boston, MA</i> Instructor <i>OT640: Health Condition: Epidemiology and Pathophysiology</i> | Fall 2024 |
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| MGH Institute of Health Professions <i>Boston, MA</i> Co-Instructor <i>Understanding Transcranial Magnetic Stimulation</i> | Fall 2023 |
| MGH Institute of Health Professions <i>Boston, MA</i> Teaching Fellow <i>OT 772: Movement, Context, and Occupational Performance</i> | Fall 2021 |
| MGH Institute of Health Professions <i>Boston, MA</i> Graduate Assistant <i>OT 772: Splinting, Orthotics, and Prosthetics</i> | Summer 2021 |
| MGH Institute of Health Professions <i>Boston, MA</i> Lab Instructor <i>OT 810: Professional Reasoning IV: Integrated Seminar and Synthesis</i> | Summer 2021 |
| MGH Institute of Health Professions <i>Boston, MA</i> Graduate Assistant <i>OH 782: Rehabilitation Technologies for Stroke</i> | Spring 2021 |
| MGH Institute of Health Professions <i>Boston, MA</i> Graduate Assistant <i>OT 612: Research Process III: Methods and Design</i> | Spring 2021 |
| MGH Institute of Health Professions <i>Boston, MA</i> Graduate Assistant <i>OT 603: Movement, Context, and Occupational Performance</i> | Fall 2020 |
| MGH Institute of Health Professions <i>Boston, MA</i> Graduate Assistant <i>OT 601: Professional Reasoning 1: Critical Inquiring and Decision-Making</i> | Fall 2020 |

PROFESSIONAL EXPERIENCE

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| Pison Technology <i>Boston, MA</i> Research Staff (<i>Contract</i>) | Sep 2019 – Jan 2023 |
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CERTIFICATIONS AND LICENSURE

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| Occupational Therapy License – <i>MA</i> | Active, #13286 |
| Occupational Therapy Registered | Active, #424411 |

PROFESSIONAL AFFILIATIONS

American Society for Neurorehabilitation – Member

American Congress of Rehabilitation Medicine – Member

American Occupational Therapy Association – Member

International Parkinson and Movement Disorder Society (MDS) – Junior Member