

# Stanford

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## Mihyun Choi

COLLEGE Lecturer

Stanford Introductory Studies - Civic, Liberal, and Global Education

### Bio

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#### ACADEMIC APPOINTMENTS

- Lecturer, Stanford Introductory Studies - Civic, Liberal, and Global Education

#### HONORS AND AWARDS

- NeuroTech Research & Training Grant, Stanford University (10/2020 - 09/2023)
- Outstanding Academic Achievement in Biomedical Engineering Award, Georgia Institute of Technology (12/2017)
- Petit Undergraduate Research Scholarship, Georgia Institute of Technology (UCB, Inc.) (01/2017 - 12/2017)
- Summer Undergraduate Research Fellowship, Emory University (06/2015 - 08/2015)
- Honors Research in Neuroscience and Behavioral Biology, Emory University (01/2015 - 12/2015)

#### PROFESSIONAL EDUCATION

- Ph.D., Stanford University , Bioengineering (2025)
- M.S., Stanford University , Bioengineering (2020)
- B.S., Georgia Institute of Technology , Biomedical Engineering (2017)
- B.S., Emory University , Neuroscience and Behavioral Biology (2015)

#### LINKS

- Google Scholar Profile: <https://scholar.google.com/citations?user=BjaA9YgAAAAJ&hl=en>

### Teaching

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#### COURSES

##### 2025-26

- Living with Viruses: COLLEGE 112 (Spr)

### Publications

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#### PUBLICATIONS

- **Optimized ultrasound neuromodulation for non-invasive control of behavior and physiology.** *Neuron*  
Murphy, K. R., Farrell, J. S., Bendig, J., Mitra, A., Luff, C., Stelzer, I. A., Yamaguchi, H., Angelakos, C. C., Choi, M., Bian, W., Dilanni, T., Pujol, E. M., Matosevich, et al  
2024
- **Development and validation of a computational method to predict unintended auditory brainstem response during transcranial ultrasound neuromodulation in mice.** *Brain stimulation*  
Choi, M. H., Li, N., Popelka, G., Butts Pauly, K.

2023

- **Measuring sound velocity based on acoustic resonance using multiple narrow band transducers.** *Heliyon*

Li, N., Chen, Z., Zhu, J., Choi, M. H., Yang, J., Yuan, Z., Sun, L., Fei, C., Qiu, Z.

2023; 9 (3): e14227

- **Sonogenetics: Recent advances and future directions.** *Brain stimulation*

Liu, T., Choi, M. H., Zhu, J., Zhu, T., Yang, J., Li, N., Chen, Z., Xian, Q., Hou, X., He, D., Guo, J., Fei, C., Sun, et al

2022

- **Predicting malnutrition from longitudinal patient trajectories with deep learning.** *PloS one*

Jin, B. T., Choi, M. H., Moyer, M. F., Kim, D. A.

2022; 17 (7): e0271487