Stanford

Benyamin Meschede-Krasa

Ph.D. Student in Neurosciences, admitted Autumn 2021

Bio

BIO

Neuroengineering and human neuroscience related to intracortical speech brain computer interfaces and motor planning of articulation

EDUCATION AND CERTIFICATIONS

- BS, Brandeis University , Neuroscience, biology, chemistry (2017)
- MS, Brandeis University , Neuroscience (2017)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Intracortical brain computer interfaces for novel medical devices and agency

Publications

PUBLICATIONS

- **Inner speech in motor cortex and implications for speech neuroprostheses.** *Cell*
  Kunz, E. M., Abramovich Krasa, B., Kamdar, F., Avansino, D. T., Hahn, N., Yoon, S., Singh, A., Nason-Tomaszewski, S. R., Card, N. S., Jude, J. J., Jacques, B. G., Bechefsky, P. H., Iacobacci, et al
  2025
- **5-year follow-up of a fully implanted brain-computer interface in a spinal cord injury patient** *JOURNAL OF NEURAL ENGINEERING*
  Davis, K. C., Wyse-Sookoo, K. R., Raza, F., Meschede-Krasa, B., Prins, N. W., Fisher, L., Brown, E. N., Cajigas, I., Ivan, M. E., Jagid, J. R., Prasad, A.
  2025; 22 (2)
- **Machine learning of EEG spectra classifies unconsciousness during GABAergic anesthesia** *PLOS ONE*
  Abel, J. H., Badgeley, M. A., Meschede-Krasa, B., Schamberg, G., Garwood, I. C., Lecamwasam, K., Chakravarty, S., Zhou, D. W., Keating, M., Purdon, P. L., Brown, E. N.
  2021; 16 (5): e0246165
- **An early phase of instructive plasticity before the typical onset of sensory experience** *NATURE COMMUNICATIONS*
  Roy, A., Wang, S., Meschede-Krasa, B., Breffle, J., Van Hooser, S. D.
  2020; 11 (1): 11