Stanford

Elizabeth Beam

- Clinical Scholar, Psychiatry and Behavioral Sciences
- Postdoctoral Scholar, Psychiatry

Bio

BIO

Ellie Beam is a psychiatry resident pursuing research at the intersection of neuroscience, computer science, and language. She completed MD/PhD training at Stanford Medical School with funding from the MSTP and the NRSA fellowship. Her doctoral thesis synthesized the neuroimaging literature into a framework for knowledge of human brain function, published in Nature Neuroscience and forming the basis for a US patent. Her work has been recognized by the Leah J. Dickstein Medical Student Award and Angier B. Duke Memorial Scholarship.

ACADEMIC APPOINTMENTS

- Clinical Scholar, Psychiatry and Behavioral Sciences

HONORS AND AWARDS

- Angier B. Duke Full Tuition Merit Scholarship, Duke University (2009 - 2013)
- Summa Cum Laude, Duke University (2013)
- Leah J. Dickstein Medical Student Award, Association of Women Psychiatrists (2017)
- F30 Ruth L. Kirschstein National Research Service Award, National Institute of Mental Health (2020 - 2022)
- Trailblazing Trainee Award, Stanford Department of Psychiatry and Behavioral Sciences (2024 - 2025)
- Fellowship, American Psychoanalytic Association (2025 - 2026)
- T32 Post-Doctoral Research Fellowship, National Institutes of Health (2025 - 2027)

PATENTS

- Amit Etkin, Elizabeth Beam. "United States Patent 16/888,530 Machine learning based generation of ontology for structural and functional mapping", Leland Stanford Junior University, Dec 24, 0020

Publications

PUBLICATIONS

- **A decade of drug discovery for schizophrenia: TAAR1 and muscarinic agonists** *Awakenings: Stories of Recovery and Emergence from Schizophrenia*
  Beam, E. H., Ballon, J.
  edited by Yeiser, B., Nasrallah, H.
  Amazon.2024: 217-220

- **Neurocysticercosis**
  Tu, J., Tran, D., Beam, E.
  RSNA Case Collection.

2022

- **A data-driven framework for mapping domains of human neurobiology** *Nature Neuroscience*
  Beam, E., Potts, C., Poldrack, R. A., Etkin, A.
  2021

- **Registration-free analysis of diffusion MRI tractography data across subjects through the human lifespan.** *NeuroImage*
  Siless, V., Davidow, J. Y., Nielsen, J., Fan, Q., Hedden, T., Hollinshead, M., Beam, E., Vidal Bustamante, C. M., Garrad, M. C., Santillana, R., Smith, E. E., Hamadeh, A., Snyder, et al
  2020: 116703

- **Mapping rhetorical topologies in cognitive neuroscience** *TOPOLOGIES AS TECHNIQUES FOR A POST-CRITICAL RHETORIC*
  Jack, J. L., Appelbaum, G., Beam, E. H., Moody, J., Huettel, S. A.
  Palgrave Macmillan.2017: 125-150

- **Mapping the Semantic Structure of Cognitive Neuroscience** *JOURNAL OF COGNITIVE NEUROSCIENCE*
  Beam, E., Appelbaum, L. G., Jack, J., Moody, J., Huettel, S. A.
  2014; 26 (9): 1949-1965