Stanford

# Ilina Bhaya-Grossman

Postdoctoral Scholar, Psychology

## Bio

### HONORS AND AWARDS

- Professional Development Award, DANA Foundation (2025)
- 1st Place Grad Slam, University of California, San Francisco (2024)
- Travel Award, Society for Neurobiology of Language (2024)
- 1st Place Video Mind Challenge, Cognitive Science Society (2023)
- Explorer Award, Hearts to Humanity Eternal (H2H8) (2023)
- Travel Award, Advances and Perspectives in Auditory Neuroscience (2023)
- Discovery Fellow, University of California, San Francisco (2022)
- Training and Professional Development Award, Society for Neuroscience (2021)
- Graduate Research Fellowship Program, National Science Foundation (2020)
- Robert J. Glushko Prize for Undergraduate Research, University of California, Berkeley (2018)

### PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of California San Francisco (2025)
- BA, University of California, Berkeley , Computer Science and Cognitive Science (2018)
- PhD, University of California, San Francisco and UC Berkeley , Cognitive Neuroscience (2025)

### STANFORD ADVISORS

- Laura Gwilliams, Postdoctoral Faculty Sponsor

### LINKS

- My Website: https://ilinabhayagrossman.com/

## Research & Scholarship

### RESEARCH INTERESTS

- Brain and Learning Sciences
- Data Sciences
- Psychology

### LAB AFFILIATIONS

- Laura Gwilliams, Gwilliams Laboratory of Speech Neuroscience (3/2/2026)

# Publications

## PUBLICATIONS

- **Shared and language-specific phonological processing in the human temporal lobe** *Nature*
  Bhaya-Grossman, I., et al
  2026

- **Vowel and formant representation in the human auditory speech cortex** *Neuron*
  Oganian, Y., Bhaya-Grossman, I., et al
  2023

- **Speech Computations of the Human Superior Temporal Gyrus** *Annual Review of Psychology*
  Bhaya-Grossman, I., Chang, E.
  2022

- **Human cortical dynamics of auditory word form encoding.** *Neuron*
  Zhang, Y., Leonard, M. K., Bhaya-Grossman, I., Gwilliams, L., Chang, E. F.
  2025

- **Computational Architecture of Speech Comprehension in the Human Brain** *ANNUAL REVIEW OF LINGUISTICS*
  Gwilliams, L., Bhaya-Grossman, I., Zhang, Y., Scott, T., Harper, S., Levy, D.
  2025; 11: 209-226

- **A bilingual speech neuroprosthesis driven by cortical articulatory representations shared between languages** *Nature Biomedical Engineering*
  Silva, A., Liu, J., Metzger, S., Bhaya-Grossman, I., et al
  2024

- **Gender bias in academia: A lifetime problem that needs solutions.** *Neuron*
  Llorens, A., Tzovara, A., Bellier, L., Bhaya-Grossman, I., Bidet-Caulet, A., Chang, W. K., Cross, Z. R., Dominguez-Faus, R., Flinker, A., Fonken, Y., Gorenstein, M. A., Holdgraf, C., Hoy, et al
  2021; 109 (13): 2047-2074