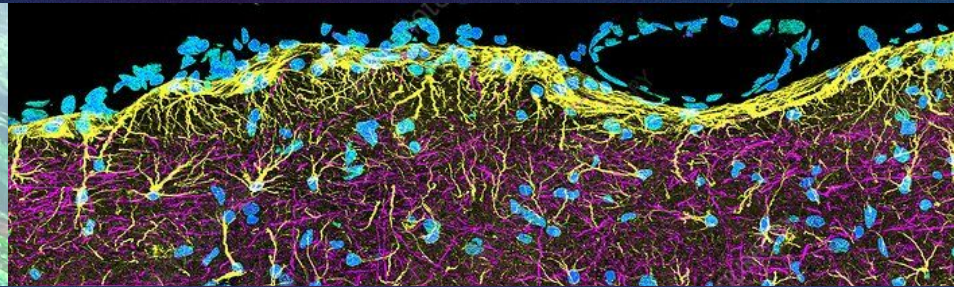


NEUROTECH



Heuristics

- Invasive v non invasive, medical v consumer, neuromodulation v neuroimaging (or reading v writing)
- You need to read in order to write
- Neuroimaging is easier than neuromodulation
- Available modalities: electric, magnetic, focused ultrasound, optical, genetic engineering

Medical

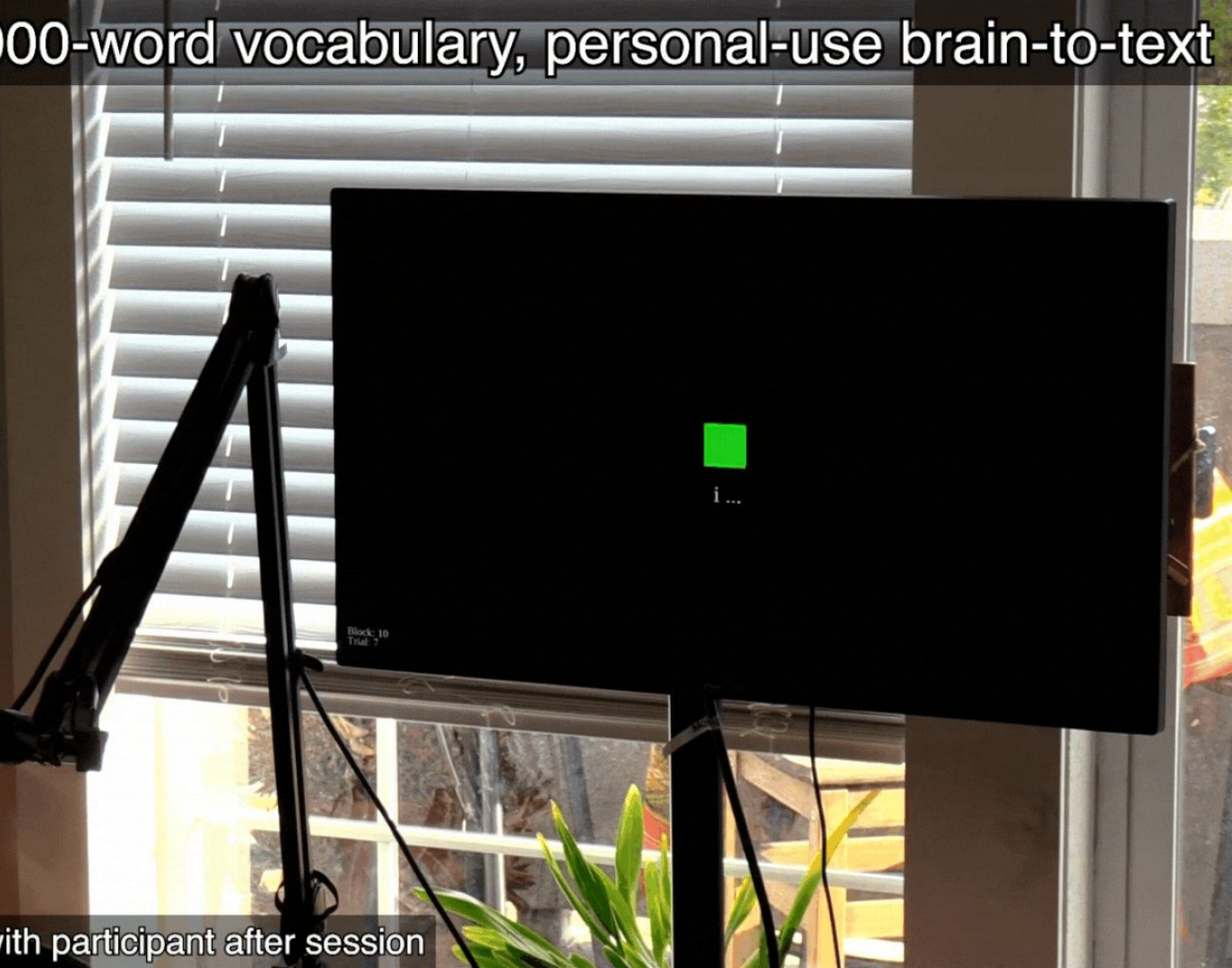
- Physical: movement, speech, computer use, tremors, vision
 - Psychiatric/cognitive: depression, OCD, memory
- Only Neuralink + handful of Bay Area startups have sci-fi narratives



Session #2: 125,000-word vocabulary, personal-use brain-to-text

Avg PER: 0%*

Avg WER: 0%*



*target sentences confirmed with participant after session

AI narrative and neurotech progress

- Merge with AI narrative
- Connection to d/acc
- AI improving decoding
- Lagging for stim
 - transferring a model's representations into a biological brain



Opinions

- There hasn't been a successful consumer neurotech product
- BCI should outperform existing tools e.g. vision, Midjourney
- Human-centered narratives

