

# Stanford

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## Qianru Yang

Postdoctoral Scholar, Neurosurgery

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### Bio

#### HONORS AND AWARDS

- Dean's Fellowship, Stanford University (2024)
- Best Poster Award, Gordon Research Conference on Neuroelectronic Interfaces (2022)
- Travel Award, University of Pittsburgh Bioengineering Department (2022)

#### PROFESSIONAL EDUCATION

- BS, University of Science and Technology of China , Life Science (2015)
- PhD, University of Pittsburgh , Neural Engineering (2023)

#### STANFORD ADVISORS

- Jun Ding, Postdoctoral Faculty Sponsor

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### Research & Scholarship

#### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Deep Brain Stimulation for treating Parkinson's disease

#### LAB AFFILIATIONS

- Jun Ding (9/1/2023)

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### Publications

#### PUBLICATIONS

- **Color-neutral and reversible tissue transparency enables longitudinal deep-tissue imaging in live mice.** *bioRxiv : the preprint server for biology*  
Keck, C. H., Schmidt, E. L., Roth, R. H., Floyd, B. M., Tsai, A. P., Garcia, H. B., Cui, M., Chen, X., Wang, C., Park, A., Zhao, S., Liao, P. A., Casey, et al  
2025
- **Revealing in vivo cellular mechanisms of cerebral microbleeds on neurons and microglia across cortical layers.** *iScience*  
Yang, Q., Vazquez, A. L., Cui, X. T.  
2024; 27 (4): 109371
- **Integrated Microprism and Microelectrode Array for Simultaneous Electrophysiology and Two-Photon Imaging across All Cortical Layers.** *Advanced healthcare materials*  
Yang, Q., Wu, B., Castagnola, E., Pwint, M. Y., Williams, N. P., Vazquez, A. L., Cui, X. T.  
2024: e2302362

- **Advanced *in vivo* fluorescence microscopy of neural electronic interface** *MRS BULLETIN*  
Yang, Q., Cui, X.  
2023; 48 (5): 506-517
- **Long-term *in vivo* two-photon imaging of the neuroinflammatory response to intracortical implants and micro-vessel disruptions in awake mice.** *Biomaterials*  
Yang, Q., Vazquez, A. L., Cui, X. T.  
2021; 276: 121060
- **Zwitterionic Polymer Coating Suppresses Microglial Encapsulation to Neural Implants In Vitro and In Vivo.** *Advanced biosystems*  
Yang, Q., Wu, B., Eles, J. R., Vazquez, A. L., Kozai, T. D., Cui, X. T.  
2020; 4 (6): e1900287