

Stanford



Suraj Pavagada

Postdoctoral Scholar, Radiology

Bio

BIO

Suraj Pavagada is a postdoctoral scholar at the Department of Radiology at Stanford University. His research focuses on exploiting magnetic levitation and optoelectronic techniques for applications in medical diagnostics.

Suraj received his PhD in Oncology from the University of Cambridge (24'), where he developed a new bioelectronic cell enrichment platform utilizing altered glycosylation patterns for the early detection of esophageal cancer. With a background in electrochemistry, surface functionalization, liquid biopsy, and molecular diagnostics, he is passionate about developing portable sensor technologies that can be translated into the clinic to facilitate timely diagnosis and monitoring.

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Cambridge , Oncology (2024)
- Master of Research, University of Cambridge , Sensor Technologies and Applications (2019)
- Master of Research, Imperial College London , Medical Device Design and Entrepreneurship (2017)
- Bachelor of Engineering, PES University , Biotechnology (2016)

STANFORD ADVISORS

- Gozde Durmus, Postdoctoral Faculty Sponsor
- Utkan Demirci, Postdoctoral Research Mentor

LINKS

- LinkedIn: <https://www.linkedin.com/in/suraj-pg/>
- Google Scholar: <https://scholar.google.co.uk/citations?user=7ydCg6EAAAAJ&hl=en>

Publications

PUBLICATIONS

- **Dynamically reconfigurable acoustofluidic metasurface for subwavelength particle manipulation and assembly.** *Nature communications* Surappa, S., Pavagada, S., Soto, F., Akin, D., Wei, C., Degertekin, F. L., Demirci, U. 2025; 16 (1): 494