



## Muhammad Najam Dar

Affiliate, Ophthalmology Research/Clinical Trials

### Bio

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#### BIO

Dr. Muhammad Najam Dar is affiliate researcher at Stanford University and specializing in electrophysiological signal-based ophthalmological solutions. He holds a Ph.D. in Computer Engineering from the National University of Sciences and Technology (NUST), Pakistan, and was awarded the prestigious Erasmus Mundus Fellowship for his doctoral research at City, University of London, United Kingdom.

With a strong interdisciplinary foundation in biomedical signal and image analysis, computer vision, and deep learning, Dr. Dar has made significant contributions to both academia and industry. His research focuses on developing cutting-edge AI-driven diagnostic tools, wearable smart device signal processing, and systemic workflow optimizations for healthcare applications. His work integrates machine learning, medical imaging, and human-centered design to advance next-generation ophthalmological and biomedical solutions.

Beyond research, Dr. Dar has extensive experience in teaching, mentorship, and academic leadership, fostering innovation in AI-driven healthcare among the next generation of engineers and scientists. His ability to bridge theoretical knowledge with real-world applications makes him an invaluable asset in advancing biomedical engineering, artificial intelligence in healthcare, and translational research. Dr. Dar aims to become a leader in AI-driven healthcare solutions by advancing cutting-edge research, fostering industry collaborations, integrating design thinking into innovative medical technologies, mentoring and inspiring students and peers, empowering them to drive transformative advancements in healthcare and improve lives globally.

#### INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)