



## Wen Hong

Postdoctoral Scholar, Ophthalmology

 [Resume available Online](#)

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### Bio

#### BIO

Dr. Wen Hong was a postdoctoral researcher at UCLA, specializing in 3D printing of metals, hydrogels, and liquid metal. She earned her Ph.D. in Electrical Engineering from Shanghai Jiao Tong University, where she focused on flexible and implantable MEMS devices. Her research integrates materials science, bioelectronics, and soft robotics to develop innovative biomedical devices.

Her work covers high-resolution light-based 3D printing, self-adaptive cardiac optogenetics, and multifunctional flexible sensors. With expertise in cleanroom fabrication, semiconductor failure analysis, and finite element modeling, she has contributed to advancing bio-integrated technologies. Her research has been published in journals such as *Science Advances* and *Sensors and Actuators A*. Her long-term research goal is to push the boundaries of bioelectronics and soft robotic systems for healthcare applications.

#### STANFORD ADVISORS

- Charles DeBoer, Postdoctoral Faculty Sponsor