

Title:

Towards wearable large-scale neural recording by Computational Miniature Mesoscope

Bio:

Lei Tian is an Assistant Professor in the Department of Electrical and Computer Engineering and the Department of Biomedical Engineering and leads the Computational Imaging Systems lab (<http://sites.bu.edu/tianlab/>) at Boston University. He received his Ph.D. (2013) and M.S. (2010) from MIT. He was a postdoctoral associate at University of California, Berkeley 2013–2016. His research focuses on computational microscopy, neurophotonics, imaging in complex media, and machine learning for biomedical microscopy.

Dr. Tian's awards include NSF CAREER award, the 2021 Boston University College of Engineering Early Career Excellence in Research Award, the 2018 Boston University College of Engineering Dean's Catalyst Award, the 2018 SPIE Fumio Okano Best 3D Paper Prize, the 2014 OSA Imaging Systems and Applications Best Paper Award, and the 2011 OSA Emil Wolf Outstanding Student Paper Prize.