Prof. Hyungsoon Im

Massachusetts General Hospital,
Harvard Medical School, USA

Dr. Hyungsoon Im is Associate Professor of Radiology at Harvard Medical School and Massachusetts General Hospital. He received his Ph.D. in Electrical Engineering from the University of Minnesota. His research bridges engineering and medicine by developing next-generation diagnostic sensing technologies to characterize the molecular composition of human disease and the dynamic changes associated with disease progression and therapy. His desire to work in interdisciplinary settings and apply his strong engineering and physics background to address critical clinical problems led to the development of new sensing technologies and clinical assays. He is best known for nanoplasmonic sensing technologies for extracellular vesicles (nPLEX series) and photonics sensors for cancer diagnosis and treatment monitoring (D3, CytoPAN series). His lab also develops and applies artificial intelligence (AI) to multiomics data to improve data analysis accuracy and robustness. His expertise has been critical for translating and commercializing new diagnostic technologies for patient care in clinical settings.