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Kwon-Hyeon Kim, Ph.D., is an Instructor at the Wellman Center for Photomedicine at Massachusetts General Hospital, Harvard Medical School. His research focuses on biophotonic and biointerface technologies.

Dr. Kim received his Ph.D. and B.S. in Materials Science and Engineering from Seoul National University, where he worked on advanced optoelectronic and photonic materials for organic light-emitting diodes. He joined the Wellman Center for Photomedicine as a research fellow in 2017, was promoted to Research Scientist in 2022, and to Instructor in 2023. He currently develops laser barcoding technologies for high-throughput, multi-dimensional single-cell profiling and multiplexed bioassays. He also investigates hydrogel-based systems for tissue engineering and bioelectronic integration. His research bridges materials engineering and photonics to advance multi-dimensional single-cell analysis, scalable discovery tools, and biointerface technologies.