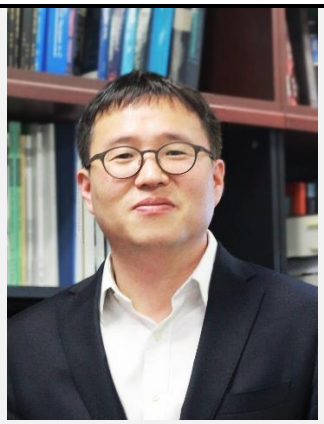

Professor. Ki-Hun Jeong

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Ki-Hun Jeong is a KAIST Endowed Chair Professor in the Department of Bio and Brain Engineering at the Korea Advanced Institute of Science and Technology (KAIST). He is also the Director of the Space-Health Research Promotion Council and an Adjunct Professor at the KAIST Institute for Health Science and Technology.

He received his Ph.D. at the University of California, Berkeley, under the supervision of Prof. Luke P. Lee, where he conducted pioneering research on biomimetic microfabricated compound eyes.

Prof. Jeong's research focuses on advanced optical devices for biomedical and space-health sensing and imaging, including ultrathin cameras and microscopes, microspectrometers for continuous physiological monitoring, nanoplasmonic biosensors, and ultrafast PCR systems for molecular diagnostics.

He has published more than 100 SCIE journal articles in leading journals such as Science, Nature Communications, Science Advances, Advanced Materials, Light: Science & Applications, and ACS Nano, and holds over 180 patents, including numerous international patents. His scholarly impact includes an h-index of 44 and over 6,500 citations.

Prof. Jeong has led multiple large-scale national and international research projects with total funding exceeding 35 billion KRW and has actively contributed to technology commercialization through several spin-off companies, including Real Identity, VPIX Medical, and MicroPIX. He has delivered more than 240 invited talks worldwide and has received numerous honors, including the Minister of Trade, Industry and Energy Commendation (2025), the Minister of Science and ICT Commendation (2025), and the KAIST Technology Innovation Award.