

# APFUS 2024

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## **Prof. Ki Joo Pahk**

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Prof. Ki Joo Pahk graduated with a BEng (Honours, 2011) and an MSc (Distinction, 2012) in Mechanical Engineering from University College London (UCL), London, UK. He then completed his PhD in Mechanical Engineering at UCL (2016). From Sept 2016 to Feb 2022, he worked as a Postdoctoral Researcher (alternative military service, from Sept 2016 to Aug 2019) and a Senior Research Scientist (Principal Investigator, from Sept 2019 to Feb 2022) at Korea Institute of Science and Technology (KIST), Republic of Korea. He is now an Associate Professor at Department of Biomedical Engineering, Kyung Hee University, Republic of Korea (since Mar 2022) where he leads the Biomedical Ultrasound Engineering Laboratory.

Prof. Pahk's research interests include biomedical ultrasound, therapeutic ultrasound, ultrasound imaging, high-intensity focused ultrasound (HIFU), HIFU-induced mechanical tissue fractionation (boiling histotripsy, pressure-modulated shockwave histotripsy), sono-thrombolysis, tissue decellularisation, bubble dynamics, acoustic cavitation and ultrasonic cell stimulation.