



# KSUM 2026


THE 57<sup>TH</sup> ANNUAL CONGRESS OF  
THE KOREAN SOCIETY OF ULTRASOUND IN MEDICINE

MAY 7 (THU) - 8 (FRI), 2026 | COEX, SEOUL, KOREA



## KSUM 2026 Invited Speaker's CV

All fields marked with an asterisk (\*) should be completed.

<b>Name*</b>	Byullee Park	
<b>Country*</b>	Republic of Korea	
<b>Current Affiliation*</b>	Department of Biophysics, Sungkyunkwan University	
<b>Specialty*</b>	Photoacoustic and ultrasound imaging	
<b>Educational Background*</b> (100 words)	Dr. Byullee Park received his B.S. in Electronic and Communication Engineering from Kwangwoon University (2015), graduating as the top-ranked student. He obtained his M.S. and Ph.D. in Creative IT Engineering from Pohang University of Science and Technology (POSTECH) (2021) under the supervision of Prof. Chulhong Kim.	
<b>Professional Experience</b> (200 words)	<p>Dr. Byullee Park joined the Department of Biophysics at Sungkyunkwan University (SKKU) 2023, where he leads the Bio Optical and Acoustic Systems (BOAS) Laboratory. He served as an Assistant Professor (2023–2026) and has been an Associate Professor since 2026.</p> <p>After receiving his Ph.D. from POSTECH, he conducted postdoctoral research at POSTECH (2021-2023) and later joined the California Institute of Technology (Caltech) as a Visiting Scholar in the Optical Imaging Laboratory led by Prof. Lihong V. Wang (2022-2023).</p>	
<b>Main Scientific Publication *</b> (200 words)	<p>Dr. Byullee Park has developed several innovative photoacoustic and ultrasound imaging technologies and demonstrated their biomedical and technological applications. He developed a dual-modal photoacoustic and ultrasound imaging system to improve thyroid cancer diagnosis in human (<i>Science Advances, Cancer Research</i>). He also pioneered ultraviolet photoacoustic microscopy with world-leading spatial resolution, demonstrating the potential of label-free histological imaging (<i>Science Advances, Medical Image Analysis</i>).</p> <p>In addition, he developed a metalens-based photoacoustic microscopy platform for quantitative analysis of neuromelanin in brain organoids (<i>Science Advances</i>). He also developed a transparent ultrasound transducer-based quad-modality imaging system and demonstrated its potential for ophthalmic imaging (<i>PNAS</i>).</p> <p>Beyond biomedical imaging, he introduced photoacoustic imaging as a read-out mechanism for physically unclonable functions (PUFs), opening new possibilities for hardware security applications (<i>Nature Communications</i>). Based on his expertise in photoacoustic and ultrasound imaging technologies, he has also authored review articles in leading journals including <i>Chemical Reviews</i> and <i>Advanced Drug Delivery Reviews</i>.</p>	

### KSUM 2026 Secretariat

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