KSUM 2023 Invited Speaker's CV

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

Name*	Gun Kim	
EDUCATIONAL BACKGROUND		
Country*	Korea	
Current Affiliation*	Ulsan National Institute of Science and Technology	
Specialty*	Ultrasound Imaging and Treatment	
Education* **(100 words)**	• M.S. (2002-2009): **Yonsei University, Seoul, South Korea** • M.S. (2009-2011): **Yonsei University, Seoul, South Korea** • M.S. (2014-2016): **Georgia Institute of Technology, Atlanta, USA** • Ph.D. (2012-2016): **Georgia Institute of Technology, Atlanta, USA**	
Post-Graduate Education* **(100 words)**	• Postdoctoral Fellow (2017-2020): **Carle Illinois College of Medicin University of Illinois at Urbana-Champaign, Urbana, USA**	
Academic Appointments* **(200 words)**	• Assistant Professor (2020-Present): **Ulsan National Institute of Science and Technology** • CTO (2022-Present): **O2MEDi**	

Scientific Publications* **(200 words)**	[1] "DNAzyme based in vivo metal ions detection with high intensity focused ultrasound (HIFU)," **Journal of the American Chemical Society (JACS)**, Vol. 144, 5812-5819, 2022. (Covered in Herald, Medical Today, Donga-Science, etc.) [2] "Ultrasound controlled mechanophore activation in hydrogels for cancer therapy," **Proceedings of the National Academy of Sciences (PNAS)**, Vol. 119 (4), e2109791119, 2022. (Covered in UNIST News Center, SBS News, Hankookilbo, etc.) [3] "High-intensity focused ultrasound-induced activation of mechanochemical transduction in synthetic elastomers," **Proceedings of the National Academy of Sciences (PNAS)**, Vol. 116 (21), 10214-10222, 2019. (Covered in EurekAlert!, UIUC News Bureau,National Academy of Sciences, etc.)