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Young-Moo Jo, Ph.D., is an Assistant Professor in the School of Materials Science & Engineering at Kyungpook National University. He received his B.S. and M.S./Ph.D. integrated degrees in Materials Science and Engineering from Korea University in 2016 and 2022, respectively, where he focused on designing high-performance gas sensors under the supervision of Prof. Jong-Heun Lee. Following his doctoral studies, Dr. Jo worked as a postdoctoral associate at the Massachusetts Institute of Technology from 2022 to 2025, where he focused on electrically conductive metal-organic framework (MOF)-based gas sensors.

Dr. Jo's research centers on developing low-power electronic nose (E-nose) systems, with an emphasis on reactive and robust chemiresistors. He conducts end-to-end research spanning from sensing material design to device fabrication and signal-processing-based system integration.