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Sunghoon Kwon is a professor at the School of Electrical Engineering of Seoul National University. Professor Kwon received his B. S. in Electrical Engineering (1998) and M. S. in Biomedical Engineering (2000) from the Seoul National University, Korea. He obtained his Ph.D. in Bioengineering from the University of California at Berkeley (2004). After two years of his postdoctoral training at the Molecular Foundry in Lawrence Berkeley National Laboratory, he joined the faculty of the School of Electrical Engineering of Seoul National University in August 2006.

Since then, Prof. Sunghoon Kwon has focused on innovative platforms that are sure to revolutionize the medical and pharmaceutical industry. More specifically, Professor Kwon has developed smart-scalable system for high-throughput bioassay, rapid antibiotics susceptibility test for fast bacterial infection diagnosis, and a low-cost/high throughput DNA synthesis technology. These technologies not only made huge impacts in optofluidics and bioMEMS but also provided guidance towards realization of personalized medicine and synthetic biology. His results were published in high impact journals including *Nature Materials*, *Nature Photonics*, *Nature communication*, and *Science Translational Medicine*. Also, Professor Kwon received many prestigious awards including the Young Scientist Award from The Korea Academy of Science and Technology, Presidential Young Scientist Award, and the Yumin Awards for creativity.