



Dr. HeaYeon Lee
Northeastern University

HeaYeon Lee is internationally recognized for her research in nano/micro-bioscience device to create new paradigm of nanomedicine. About 2 years ago, she transferred as faculty member in Department of Mechanical and Industrial Engineering, Northeastern University. She works on developing digitized nanobiosensor chips, single molecular recognition, and nanoelectronic devices. After finishing her masters and PhD degrees in nanofabrication and characterization technologies from Osaka University, she has been working on new nanobioelectronic devices and nanobiosensors for chemistry, material science and biomedical applications. She was a research scientist and a designated professor at Institute of Scientific and Industrial Research (ISIR-SANKEN), Osaka University, which is one of the major imperial universities of Japan.

She is widely known in the nanobioscience community using top-down and bottom-up nanotechnology during the past 11 years. She has published more than 77 papers in prestigious journals such as *Advanced Materials*, *Lab on a Chip*, *Small*, *Langmuir*, *Journal of the American Chemistry Society*, *Applied Physics Letter* and *Physics Review Letter*. She has more than 1,000 citation (h index:16), 10 patents & 1 technology transfer, 24 research articles published in top 10% SCI journals during the last five years, 63 invited presentation, 1 of keynote speaker and 3 of plenary lectures. Her research work contributed to accelerating cutting-edge research in emerging bio-nanoscience area.