Curriculum Vitae

Jeong Ah Kim

Principal Researcher
Korea Basic Science Institute

Educational Background & Professional Experience

2015-Present	Korea Basic Science Institute, Principal Researcher
2016-Present	UST, Associate Professor
2019	Rice University, Visiting Scholar
2014-2015	MIT, Postdoctoral Researcher
2013	Korea Institute of Science and Technology, Postdoctoral Researcher
2007-2012	SNU, Chemical and Biological Eng., Ph.D.

Research Interests

Biochip, Organ-on-a-chip, Tissue engineering, Drug testing

Publications

1. K. Paek, et al., A high-throughput biomimetic bone-on-a-chip platform with artificial intelligence-assisted image analysis for osteoporosis drug testing. Bioeng. Transl. Med. 8, 10313 (2023).
2. S. Hong, et al., Inhibition of tumor progression and M2 microglial polarization by extracellular vesicle-mediated microRNA-124 in a 3D microfluidic glioblastoma microenvironment. Theranostics 11, 9687-9704 (2021).
3. H. C. Yang, et al., Single-step equipment-free extracellular vesicle concentration using super absorbent polymer beads. J. Extracell Vesicles 10, e12074 (2021).
4. K. Jeong, et al., Exosome-mediated microRNA-497 delivery for anti-cancer therapy in a microfluidic 3D lung cancer model. Lab chip 20, 548-557(2020).
5. Y. J. et al., Hydrogel-incorporating unit in a well: 3D cell culture for high-throughput analysis. Lab Chip, 18, 2604-2613 (2018).