Curriculum Vitae

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Name in Full	Minseok S. Kim
Country	Republic of Korea
Affiliation	Associate professor, DGIST, Korea Founder and CEO, CTCELLS Inc., Korea
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Educational Background

2006.09 ~ 2010.02 Dept. of Bio and Brain Engineering, KAIST (Ph.D.)
2004.03 ~ 2006.02 Dept. of Bio and Brain Engineering, KAIST (M.S.)
2000.03 ~ 2003.08 Dept. of Biomedical Engineering, Yonsei University (B.S.)

Professional Career

2022.03 ~ Current Associate professor, Dept. of New Biology, DGIST
2016.12 ~ 2022.02 Assistant professor, Dept. of New Biology, DGIST
2015.03 ~ 2016.11 Assistant professor, Dept. of Biomedical Engineering, Konyang University
2010.04 ~ 2015.02 Senior researcher, Samsung Advanced Institute of Technology (SAIT)

2018.04 ~ Current Founder and CEO, CTCELLS Inc.

Research Field

Cancer diagnosis, Liquid biopsy, Immune Oncology, Electroceutical, BioMEMS, Microfluidics

Papers, Books, etc. presented or published by your name
(topic title, year, conference name or presenting books)

- Farnesol prevents aging-related muscle weakness in mice through enhanced farnesylation of Parkin-interacting substrate, ***Sci Transl Med.*** 15, eabh3489 (2023)
- Silver Electroceutical Technology to Treat Sarcopenia, ***PNAS***, 120, e2300036120 (2023)
- Fully automated continuous centrifugal microfluidics isolates natural killer cells with high performance and minimal stress, ***Analytical Chemistry***, 95, 9949–9958 (2023)
- Continuous centrifugal microfluidics identifies the marker and size heterogeneity of circulating trophoblasts for accurate non-invasive prenatal diagnosis, ***Sensors and Actuators B: Chem***, 394, 134331 (2023)
- Cytokine engineered NK-92 therapy to improve persistence and anti-tumor activity, ***Theranostics***, 13, 1506-1519 (2023)
- Lossless Immunocytochemistry Based on Large-Scale Porous Hydrogel Pellicle for Accurate Rare Cell Analysis, ***ACS Appl. Mater. Interfaces***, 15, 15059-15070 (2023)
- Electroceutical approach ameliorates intracellular PMP22 aggregation and promotes pro-myelinating pathways in a CMT1A in vitro model, ***Biosensors and Bioelectronics***, 224, 115055 (2023)
- Implantable Electroceutical Approach Improves Myelination by Restoring Membrane Integrity in a Mouse Model of Peripheral Demyelinating Neuropathy, ***Advanced Science***, 9, 2201358 (2022)
- A fully automated primary neuron purification system using continuous centrifugal microfluidics, ***Lab Chip***, 22, 3268-3276 (2022)
- Continuous centrifugal microfluidics (CCM) isolates heterogeneous circulating tumor cells via full automation, ***Theranostics***, 12, 3676-3689 (2022)
- An electroceutical approach enhances myelination via upregulation of lipid biosynthesis in the dorsal root ganglion, ***Biofabrication***, 14, 015017 (2022)