

Name	Kyung-Mi Lee
Current Position & Affiliation	Ph.D., Professor, Department of Biochemistry, Korea University Medical School
Country	Republic of Korea
Major Field	Immunology and Tumor Immunology

Educational Background

- Ph.D. Dept of Pharmacology and Physiology, University of Chicago (1989 - 1995)
- M.S. Dept of Physical Pharmacy, Seoul National University (1987 - 1989)
- B.S. Dept of Pharmacy, Seoul National University (1983 - 1987)

Professional Experience

- Dept. of Bio-Integrated Electronics, Northwestern University Research Adjunct Professor (2019 - pre)
- Dept. of Melanoma Medical Oncology, MD Anderson Joint Associate Professor (2013 - 2018)
- Dept. of Biochemistry, Korea University Medical School Professor (2004 - pre)
- Dept. of Pathology, University of Chicago Research Assistant Professor (2000 - 2004)
- Dept. of Immunology, University of Chicago Research Associate (1996 - 1999)
- Dept. of Pathology, Harvard Medical School Post-Doctoral Fellow (1995 - 1996)

Other Experience and Professional Memberships

- President, KAICET (Korean Association for Immune Cell Engineering and Therapy), 2024-2026
- Chair, Committee of Policy and Advisory, KSBMB 2024-2025
- Chair and Members, Committee of KAI (Korean Association of Immunology), 2005-

Awards

- Korea 100 Excellence award (2026) · Korea University Best Alumni Award (2016)
- Macrogen Award (2016) · EMM Journal Achievement Award (2011)
- Ilcheon Young Scientist Award (2008) · Charles Higgins Award for Physiologists (1995)
- University of Chicago, Erma Smith Fellowship (1989-1994)
- Seoul National University, Departmental Honors (1985-1987)

Main Scientific Publications

- H. Yoo, SB. Kang, J. Kim, W. Cho, H. Ha, S. Oh, SH. Jeong, S. Lee, H. Lee, C-S. Park, D. Lee, TD. Chung, **K-M. Lee***, JY. Sun*. Ionic diode-based drug delivery system. *Advanced Materials*. **2025**;37(6):2412377.
- J. Kim, TJ. Kim, S. Chae, H. Ha, Y. Park, S. Park, CJ. Yoon, SA. Lim, H. Lee, J. Kim, J. Kim, K. Im, K. Lee, J. Kim, D. Kim, E. Lee, MH. Shin, SI. Park, I. Rhee, K. Jung, J. Lee, KH. Lee, D. Hwang, **K-M. Lee***. Targeted deletion of CD244 on monocytes promotes differentiation into anti-tumorigenic macrophages and potentiates PD-L1 blockade in melanoma. *Molecular Cancer*. **2024**;23(1):45.
- TJ. Kim, G. Park, J. Kim, SA. Lim, J. Kim, K. Im, MH. Shin, YX. Fu, ML. Del Rio, JI. Rodriguez-Barbosa, C. Yee, KS. Suh, SJ. Kim, SJ. Ha*, **K-M. Lee***. CD160 serves as a negative regulator of NKT cells in acute hepatic injury. *Nature Communications*. **2019**;10(1):3258.
- SA. Lim, J. Kim, S. Jeon, MH. Shin, J. Kwon, TJ. Kim, K. Im, Y. Han, W. Kwon, SW. Kim, C. Yee, SJ. Kim, JY. Jang, **K-M. Lee***. Defective localization with impaired tumor cytotoxicity contributes to the immune escape of NK cells in pancreatic cancer patients. *Frontiers in Immunology*. 2019;10:496.
- JH. Oh, MJ. Kim, SJ. Choi, YH. Ban, HK. Lee, EC. Shin, **K-M. Lee***, SJ. Ha*. Sustained type I interferon reinforces NK cell-mediated cancer immunosurveillance during chronic virus infection. *Cancer Immunology Research*. **2019**;7(4):584-599.