

Curriculum Vitae



Naeun Lee, Ph.D.

CURRENT ADDRESS/AFFILIATION

Research Assistant Professor
Center for Integrative Rheumatoid Transcriptomics and Dynamics
The Catholic University of Korea
505 Banpo-dong, Seocho-gu, Seoul, South Korea

EDUCATION

Aug. 2009: **Ph.D.**, Immunology, College of Medicine, Seoul National University, Seoul, Republic of Korea (PI; Wang Jae Lee)

- Thesis; Inhibition of lytic reactivation of Kaposi's sarcoma-associated herpesvirus by alloferon

Feb. 2005: **M.S.**, Microbiology, College of Natural Sciences, Busan National University, Busan, Republic of Korea (PI; Sang Joon Lee)

- Thesis; Heterologous production of *Pseudomonas aeruginosa* EMS1 biosurfactant in *Pseudomonas putida*

Feb. 2003: **B.S.**, Microbiology, College of Natural Sciences, Busan National University, Busan, Republic of Korea

PROFESSIONAL EXPERIENCES

Jan. 2010 ~ Apr. 2014: **Postdoctoral Associate** (PI; Insoo Kang), Laboratory of Human Immunobiology and Autoimmune Diseases, Department of Internal Medicine, Yale University School of Medicine, Connecticut, USA

Apr. 2015 ~ Feb. 2020: **Research Professor**, Center for Integrative Rheumatoid Transcriptomics and Dynamics, The Catholic University of Korea

Mar. 2020 ~ Feb. 2023: **Research Assistant Professor (I)**, Center for Integrative Rheumatoid Transcriptomics and Dynamics, The Catholic University of Korea

Mar. 2023 ~ Present: **Research Assistant Professor**, Center for Integrative Rheumatoid Transcriptomics and Dynamics, The Catholic University of Korea

PUBLICATION

Kwon R, Hong BK, Lee KG, Choi E, Sabbagh L, Cho CS, **Lee N*** and **Kim WU*** (**co-corresponding author**). Regulation of tumor growth by leukocyte-specific protein 1 in T cells. *Journal for ImmunoTherapy of Cancer*. 2020 Oct;8(2):e001180

Curriculum Vitae

Lee N*, Kim D* (**co-first author**), Kim WU. Role of NFAT5 in the Immune System and Pathogenesis of Autoimmune Diseases. *Frontiers in Immunology*, 2019 Feb, Vol. 10 (270)

Lee N and Kim WU. Microbiota in T cell homeostasis and inflammatory diseases. *Experimental and Molecular Medicine*, 2017 May, Vol. 49(5), e340

Han EJ, Kim HY, **Lee N**, Kim NH, Yoo SA, Kwon HM, Jue DM, Park YJ, Cho CS, De TQ, Jeong DY, Lim HJ, Park WK, Lee GH, Cho H, Kim WU. Suppression of NFAT5-mediated Inflammation and Chronic Arthritis by Novel κ B-binding Inhibitors. *EBioMedicine*, 2017 Apr, Vol. 18, pp261-273

Lee N, Shin MS, Kang Y, Park K, Maeda T, Nishioka H, Fujii H, Kang I. Oligonol, a lychee fruit-derived low-molecular form of polyphenol mixture, suppresses inflammatory cytokine production from human monocytes. *Human Immunology*, 2016 Jun, Vol. 77(6), pp512-515

Shin MS, You S, Kang Y, **Lee N**, Yoo SA, Park K, Kang KS, Kim SH, Mohanty S, Shaw AC, Montgomery RR, Hwang D, Kang I. DNA Methylation Regulates the Differential Expression of CX3CR1 on Human IL-7R α low and IL-7R α high Effector Memory CD8+ T Cells with Distinct Migratory Capacities to the Fractalkine. *Journal of Immunology*, 2015 Sep, Vol. 195(6), pp2861-2869

Lee N, You S, Shin MS, Lee WW, Kang KS, Kim SH, Dela Cruz CS, Shaw AC, Chupp GL, Lee PJ, Kim WU, Hwang D, Kang I. IL-6 Receptor α Defines Effector Memory CD8+ T Cells Producing Th2 Cytokines and Expanding in Asthma. *American Journal of Respiratory and Critical Care Medicine*, 2014 Dec, Vol. 190(12), pp1383-1394 (**Impact factor: 16.49**)

Lee N, Shin MS, Kang KS, Yoo SA, Mohanty S, Montgomery RR, Shaw AC, Kang I. Human monocytes have increased IFN- γ -mediated IL-15 production with age alongside altered IFN- γ receptor signaling. *Clinical Immunology*, 2014 May-Jun, Vol. 152(1-2), pp101-110

Kang KS*, **Lee N*(co-first author)**, Shin MS, Kim SD, Yu Y, Mohanty S, Belshe RB, Montgomery RR, Shaw AC, Kang I. An altered relationship of influenza vaccine-specific IgG responses with T cell immunity occurs with aging in humans. *Clinical Immunology*, 2013 May, Vol. 147(2), pp79-88

Kang SW*, Kim SH*, **Lee N*(co-first author)**, Lee WW*, Hwang KA, Shin MS, Lee SH, Kim WU, Kang I. 1,25-Dihydroxyvitamin D3 promotes FOXP3 expression via binding to vitamin D response elements in its conserved noncoding sequence region. *Journal of Immunology*, 2012 Jun, Vol. 188(11), pp5276-5282

Lee N, Shin MS, Kang I. T-cell biology in aging, with a focus on lung disease, *Journal of Gerontology: Series A: Biological Science and Medical Science*, 2012 Mar, Vol. 67(3), pp254-263

Shin MS, **Lee N**, Kang I. Effector T-cell subsets in systemic lupus erythematosus: update focusing on Th17 cells, *Current Opinion in Rheumatology*, 2011 Sep, Vol. 23(5), pp444-448

Lee N, Bae S, Kim H, Kong JM, Kim HR, Cho BJ, Kim SJ, Seok SH, Hwang YI, Kim S, Kang JS, Lee

Curriculum Vitae

WJ. Inhibition of lytic reactivation of Kaposi's sarcoma-associated herpesvirus by alloferon, *Antiviral Therapy*, 2011, Vol. 16(1), pp17-26