

# 2025 년 대한면역학회 춘계학술대회

2025 년 4 월 10 일(목) - 11 일(금) | 세종대학교 컨벤션센터 공개토관

## C.V.

Full Name	Yun-Hee Lee
Organization	Seoul National University
Position & Title	Professor

*\*Please do not go over 2 pages for the C.V and bio. The photo can be sent separately.*

### Educational background & professional experience (in sequence of the latest year)

2018~ present	Seoul National University, College of Pharmacy	Professor
2015-2018	Yonsei University, College of Pharmacy	Associate Professor
2012-2014	Wayne State University School of Medicine	Post-doc Fellow
2003-2012	Ministry of Food and Drug Safety	Researcher
2007-2012	Wayne State University School of Medicine	PhD
2001-2003	Seoul National University, College of Pharmacy	M.S.
1996-2001	Seoul National University, College of Pharmacy	B.S.

### Research Interests

Adipose Tissue Biology  
Metaflammation-Immunometabolism  
Mitochondrial Metabolism

### Publications **MAX: 7 important publications / fill in on latest sequence**

1. TM4SF19-mediated control of lysosomal activity in macrophages contributes to obesity-induced inflammation and metabolic dysfunction. *Nature Communications*. Mar 30;15(1):2779 (2024).
2. Single-cell transcriptomic analysis reveals dynamic activation of cellular signaling pathways regulating beige adipogenesis. *Experimental & Molecular Medicine* 56(10):2309-2322 (2024).
3. TMEM86A regulates plasmalogen homeostasis and protein kinase A-dependent energy metabolism. *Nature Communications* 13, 4084 (2022).
4. STK3/STK4 signalling in adipocytes regulates mitophagy and energy expenditure. *Nature Metabolism* 2021;3:428-441 (2021)
5. Deconstructing adipogenesis induced by  $\beta$ 3-adrenergic receptor activation with single cell expression profiling *Cell Metabolism*, 28, 300-309.e304. (2018)
6. Identification of an adipogenic niche for adipose tissue remodeling and restoration. *Cell Metabolism* 18 (3): 355-367 (2013)
7. In vivo identification of bipotential adipocyte progenitors recruited by  $\beta$ 3-adrenoceptor activation and high fat feeding. *Cell Metabolism* 15 (4): 480-491 (2012).

### Short biography (Length: 1 paragraph, 4~5 sentences)

Dr. Yun-Hee Lee is a professor at the College of Pharmacy, Seoul National University, Republic of Korea. She received her Bachelor's and Master's degrees in Pharmacy from Seoul National University. Following this, she worked as a tenured researcher and pharmacist in the Drug Evaluation Department at the Ministry of Food and Drug Safety (MFDS). She later earned her PhD in Pathology from Wayne State University School of

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Medicine, USA. For her doctoral research, she joined the Center for Integrative Metabolic and Endocrine Research, working with Dr. James Granneman on the therapeutic remodeling of adipose tissues. Dr. Lee's long-term research goal is to develop therapeutics for treating obesity and related metabolic diseases. Her current research focuses on understanding adipose tissue plasticity in relation to the adipose immune system in metabolic diseases and healthy remodeling.