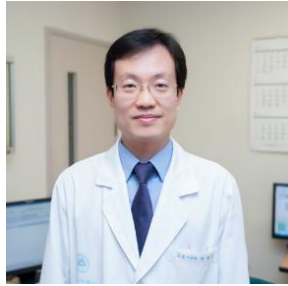


<b>Name</b>	Sei Won Lee	
<b>Country</b>	Republic of Korea	
<b>Organization</b>	Department of Pulmonary and Critical Care, Asan Medical Center Asan Medical Center, University of Ulsan College of Medicine	
<b>Current Position</b>	Professor	

### Educational Background

1995.03 ~ 2001.02 M.D. M.B. Seoul National University College of Medicine

2005.03 ~ 2007.02 M.D. M.S. Pulmonology/Internal Medicine

Seoul National University College of Medicine

2009.03 ~ 2012.08 M.D. Ph.D. Pulmonology/Internal Medicine

Seoul National University College of Medicine

### Professional Experiences

2001.03 ~ 2002.02 Internship, Seoul National University Hospital

2002.03 ~ 2006.02 Residentsip of internal medicine, Seoul National University Hospital

2006.03 ~ 2007.02 Fellowship of pulmonology, Seoul National University Hospital

### Professional Organizations

2023.03 ~ Professor, Asan Medical Center, University of Ulsan College of Medicine

2022.03 ~ Vice Dean for Education, University of Ulsan College of Medicine

2018.03 ~ 2022.02 Chief of School Affair Department, University of Ulsan College of Medicine

2017.09 ~ Professor in charge of Pulmonary Laboratory, Asan Medical Center

2017.03 ~ 2023.02 Associate Professor

Asan Medical Center, University of Ulsan College of Medicine

2015.09 ~ 2017.08 Visiting Associate Professor, Yale University

2012.03 ~ 2017.02 Assistant Professor

Asan Medical Center, University of Ulsan College of Medicine

2010.05 ~ 2012.02 Assistant Professor, Seoul National University Bundang Hospital

2009.05 ~ 2010.02 Chief of pulmonary, Armed Forces Capital Hospital

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### Main Scientific Publications

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Gut microbiota composition and metabolite profiling in smokers: a comparative study between emphysema and asymptomatic individuals with therapeutic implications. *Thorax* 2023 Jul 26; thoraxjnl-2021-217923 (IF 10.0, corresponding author)

Systemic antibiotics cause deterioration of emphysema associated with exaggerated inflammation and autophagy. *Exp Mol Med.* 2023 (IF 12.4, corresponding author)

Deep Learning-based Approach to Predict Pulmonary Function at Chest CT. *Radiology.* 2023 Apr;307(2):e221488 (IF 19.7, corresponding author)

The impact of ambient air pollution on lung function and respiratory symptoms in elite athletes. *Sci Total Environ.* 2023 Jan 10;855:158862.(IF 10.8, corresponding author)

Effects of gastroesophageal reflux disease treatment with proton pump inhibitors on the risk of acute exacerbation and pneumonia in patients with COPD. *Respir Res.* 2023 Mar 11;24(1):75 (IF 7.2, corresponding author)

Gene-Based Diagnosis of Tuberculosis from Oral Swabs with a New Generation Pathogen Enrichment Technique. *Microbiol Spectr.* 2022 Jun 29;10(3):e0020722. (IF 9.0, corresponding author)

The Impact of Air Pollutants and Meteorological Factors on Chronic Obstructive Pulmonary Disease Exacerbations: A Nationwide Study. *Ann Am Thorac Soc.* 2022 Feb;19(2):214-226. (IF 8.9 corresponding author)

The Clinical Course of Asthma After Withdrawal of Inhaled Corticosteroids. *J Allergy Clin Immunol Pract.* 2021 Mar;9(3):1295-1303.e3 (IF 11.0, corresponding author)

Gene-based diagnosis of tuberculosis with a new-generation pathogen enrichment technique. *Eur Respir J.* 2020 Mar 20;55(3):1901885. (IF 33.8, corresponding author)

Jang YO, Lee SH, Choi JJ, Kim DH, Choi JM, Kang MJ, Oh YM, Park YJ, Shin Y, Lee SW. Fecal microbial transplantation and a high fiber diet attenuates emphysema development by suppressing inflammation and apoptosis. *Exp Mol Med.* 2020 Jul;52(7):1128-1139. (IF 12.4, corresponding author)

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