**CURRICULUM VITAE**

Young-Chan Kim, M.D., Ph.D.

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**EDUCATION**

Mar 2019 – Feb 2023 Ph.D., Graduate School of Medical Science and Engineering, KAIST

Thesis advisor: Dr. Gou Young Koh

Mar 2011 – Feb 2019 M.S., Seoul National University College of Medicine

Thesis advisor: Dr. Hyo-Soo Kim

Mar 2007 – Feb 2011 M.D. (B.S. in Medicine), Seoul National University College of Medicine (Summa cum Laude)

Mar 2003 – Feb 2007 B.S. Korea Advanced Institute of Science and Technology (KAIST), South Korea (Summa cum Laude)

**POSTGRADUATE TRANING**

2023 – 2024 Clinical Fellow, Allergy and Clinical Immunology, Department of Internal Medicine, Seoul National University Hospital

2015 – 2019 Residency, Department of Internal Medicine, Seoul National University Hospital

2014 – 2015 Internship, Seoul National University Hospital

**PUBLICATIONS**

**First and co-First author papers (#Equal contribution)**

2023

7. **Kim YC#**, Ahn JH#, Jin H, Yang MJ, Hong SP, Yoon J-H, Kim S-H, Gebre TN, Lee HJ, Kim Y-M, Koh GY. Immaturity of immune cells around the dural venous sinuses contributes to viral meningoencephalitis in neonates. Sci Immunol (2023) 8(88):eadg6155. [PMID: 37801517]

6. Lee HJ#, Lee J#, Yang MJ#, **Kim YC#**, Hong SP, Kim JM, Hwang GS, Koh GY. Endothelial cell-derived stem cell factor promotes lipid accumulation through c-Kit-mediated increase of lipogenic enzymes in brown adipocytes. Nat Commun (2023) 14(1):2754. [PMID: 37179330]

2022

5. **Kim YC#**, Choi S#, Sohn KH, Bang JY, Kim Y, Jung JW, Kim HY, Park J, Kim K, Kang MG, Yang MS, Kim S, Kim SH, Choi JH, Park HJ, Lee SM, Kim SH, Park JW, Lee JM, Cho SH, Won S, Yi H, Kang HR. Selenomonas: A marker of asthma severity with the potential therapeutic effect. Allergy (2022) 77(1):317-320. [PMID: 34587325]

4. **Kim YC**#, Kim J#, Kim S, Bae B, Kim RL, Jeong EM, Cho SH, Kang HR. Transglutaminase 2 mediates lung inflammation and remodeling by transforming growth factor beta 1 via alveolar macrophage modulation. Exp Lung Res (2021) 47(10):465-475. [PMID: 34818962]

2020

3. Kim J#, **Kim YC**#, Ham J, Sohn KH, Lee SY, Chung DH, Cho SH, Kang HR, Kim HY. The effect of air pollutants on airway innate immune cells in patients with asthma. Allergy (2020) 75(9):2372-2376. [PMID: 32301125]

2019

2. **Kim YC#**, Lee SE#, Kim SK#, Jang HD#, Hwang I, Jin S, Hong EB, Jang KS, Kim HS. (#Co-first authors) Toll-like receptor mediated inflammation requires FASN-dependent MYD88 palmitoylation. Nat Chem Biol 2019. DOI: 10.1038/s41589-019-0344-0. [PMID: 31427815]

1. **Kim YC**, Won HK, Lee JW, Sohn KH, Kim MH, Kim TB, Chang YS, Lee BJ, Cho SH, Bachert C, Song WJ. Staphylococcus aureus Nasal Colonization and Asthma in Adults: Systematic Review and Meta-Analysis. J Allergy Clin Immunol Pract. (2019) Feb;7(2):606-615.e9. [PMID: 30193937]

**Contributing author papers**

11. Ham J, Kim J, Choi S, Park J, Baek MG, **Kim YC**, Sohn KH, Cho SH, Yang S, Bae YS, Chung DH, Won S, Yi H, Kang HR, Kim HY (2021). Interactions between NCR + ILC3s and the Microbiome in the Airways Shape Asthma Severity. Immune Netw. 22;21(4):e25. [PMID: 34522438]

10. Sohn KH, Baek MG, Choi SM, Bae B, Kim RY, **Kim YC**, Kim HY, Yi H, Kang HR.Alteration of Lung and Gut Microbiota in IL-13-Transgenic Mice Simulating Chronic Asthma. J Microbiol Biotechnol. 28;30(12):1819-1826. [PMID: 33046682]

# 9. Lee JH, Moon M, Kim YC, Chung SJ, Oh J, Kang DY, Lee SY, Lee KH, Yun J, Kang HR (2020). A One-Bag Rapid Desensitization Protocol for Paclitaxel Hypersensitivity: A Noninferior Alternative to a Multi-Bag Rapid Desensitization Protocol. J Allergy Clin Immunol Pract. 8(2):696-703. [PMID: 31678295]

8. Hwang D, Lee JM, Rhee TM, **Kim YC**, Park J, Park J, Ahn C, Song YB, Hahn JY, Kim KB, Lee YT, Koo BK (2019). The Effects of Preoperative Aspirin on Coronary Artery Bypass Surgery: a Systematic Meta-Analysis. Korean Circ J. Jun;49(6):498-510. [PMID: 30891961]

7. Chung SJ, Kang SY, Kang RY, **Kim YC**, Lee KH, Kim TY, Han SW, Kang HR (2018). A new non-dilution rapid desensitization protocol successfully applied to all-grade platinum hypersensitivity. Cancer Chemother Pharmacol. 2018 Nov;82(5):777-785. [PMID: 30105458]

6. Won HK, **Kim YC**, Kang MG, Park HK, Lee SE, Kim MH, Yang MS, Chang YS, Cho SH, Song WJ (2018). Age-related prevalence of chronic rhinosinusitis and nasal polyps and their relationships with asthma onset. Ann Allergy Asthma Immunol. 2018 Apr;120(4):389-394. [PMID: 29432969]

5. Kang J, **Kim YC**, Park JJ, Kim S, Kang SH, Cho YJ, Yoon YE, Oh IY, Yoon CH, Suh JW, Cho YS, Youn TJ, Chae IH, Choi DJ. Increased epicardial adipose tissue thickness is a predictor of new-onset diabetes mellitus in patients with coronary artery disease treated with high-intensity statins (2018). Cardiovasc Diabetol. 2018 Jan 11;17(1):10. [PMID: 29325562]

4. Lee J, Kim YJ, Kim HJ, Kim JM, **Kim YC**, Choi SM (2016). Acute Respiratory Failure Caused by Hepatopulmonary Fistula in a Patient with Hepatocellular Carcinoma. Tuberc Respir Dis (Seoul). 2016 Jul;79(3):179-83. [PMID: 27433178]

3. Park J, Lee SE, Hur J, Hong EB, Choi JI, Yang JM, Kim JY, **Kim YC**, Cho HJ, Peters JM, Ryoo SB, Kim YT, Kim HS (2015). M-CSF from Cancer Cells Induces Fatty Acid Synthase and PPARβ/δ Activation in Tumor Myeloid Cells, Leading to Tumor Progression. Cell Rep. 2015 Mar 10;10(9):1614-1625. [PMID: 25753425]

2. Lee JM, Lee J, Jeong H, Choe WS, Seo WW, Lim WH, **Kim YC**, Hur J, Lee SE, Yang HM, Cho HJ, Kim HS (2013). Development of a rabbit model for a preclinical comparison of coronary stent types in-vivo. Korean Circ J. 2013 Nov;43(11):713-22. [PMID: 24363745]

1. Lee JM, Choe W, Kim BK, Seo WW, Lim WH, Kang CK, Kyeong S, Eom KD, Cho HJ, **Kim YC**, Hur J, Yang HM, Cho HJ, Lee YS, Kim HS (2012). Comparison of endothelialization and neointimal formation with stents coated with antibodies against CD34 and vascular endothelial-cadherin. Biomaterials. 2012 Dec;33(35):8917-27. [PMID: 22981075]

**SCIENTIFIC AND ACADEMIC ACTIVITIES**

**Editorial**

1. **Kim YC**, Song WJ. Neuro-immune interactions and IFN-γ in post-infectious cough. Allergy Asthma Immunol Res. 2022 Nov;14(6):581-584. [PMID: 36426392]