

## SIGN affiliated publications by Anand ANDIAPPAN

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### **2025**

Wee S, de Beer A, Koh HW, Ong J, Low JH, Lim YT, Wang SM, Sobota RM, Goleva E, Leung DYM, Chiang WC, Chua MC, Andiappan AK. Atopic dermatitis in children: Untargeted proteomics highlights the interaction between barrier dysfunction and immune dysregulation as key pathways. *Pediatr Allergy Immunol.* 2025 Jul;36(7):e70142.

Sen TK, Jing L, Anand A, Zhang Ryan LZ, Ting HT, Hui OH, Douglas T, Qin AZ, Bowen Y, Mohd FA, Thinesshware Y, Pei Carmen LC, Jang Hann CJ, Vincent T C, Mookhan P, De-Yun W. Unique Immune and Other Responses of Human Nasal Epithelial Cells Infected with H5N1 Avian Influenza Virus Compared to Seasonal Human Influenza A and B Viruses. *Emerg Microbes Infect.* 2025 Mar 24:2484330.

Yee JY, Phua SX, See YM, Andiappan AK, Goh WWB, Lee J. Predicting antipsychotic responsiveness using a machine learning classifier trained on plasma levels of inflammatory markers in schizophrenia. *Transl Psychiatry.* 2025 Feb 14;15(1):51.

### **2023**

Chua C, Sethi R, Ong J, Low JH, Yew YW, Tay A, Howland SW, Ginhoux F, Chen J, Common JEA, Andiappan AK. Late inflammatory monocytes define circulatory immune dysregulation observed in skin microbiome-stratified atopic dermatitis. *J Dermatol Sci.* 2023 Nov 3:S0923-1811(23)00236-0.

Lee WWL, Puan KJ, Lee B, Chua C, Koh SM, Yusof N, Tan KP, Luis BS, Ong J, Merid SK, Ang R, Chan XY, Hui LJ, Terenzani E, Lum J, Foo S, Zolezzi F, Yan ATS, Melen E, Yi SJ, Rötzschke O, Andiappan AK. Eosinophilic allergic rhinitis is strongly associated with the CD45RBlo subset of CD161+ Th2 cells that secretes IL-2, IL-3, IL-4, IL-5, IL-9, and IL-13. *Allergy.* 2023 Aug 7

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### **2022**

Lee B, Cyril SL, Lee W, Melchiotti R, Andiappan AK, Poidinger M, Rötzschke O. Analysis of archaic human haplotypes suggests that 5hmC acts as an epigenetic guide for NCO recombination. *BMC Biol.* 2022 Aug 4;20(1):173.

Andiappan AK, Puan KJ, Sio YY, Ally F, Lee B, Matta SA, Yusof N, Larbi A, Wang Y, Chew FT, Rötzschke O. Functional CTLA-4 variants associate to both allergic asthma and rhinitis potentially by modulating naïve regulatory T cells. *Allergy.* 2022 May 24. [Epub ahead of print]

Ong HH, Andiappan AK, Duan K, Lum J, Liu J, Tan KS, Howland S, Lee B, Ong YK, Thong M, Chow VT, Wang DY. Transcriptomics of rhinovirus persistence reveals sustained expression of RIG-I and interferon-stimulated genes in nasal epithelial cells in vitro. *Allergy.* 2022 Mar 10. [Epub ahead of print]

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Andiappan AK, Asad M, Chua C, Sehanobish E, Ren Z, Chan XY, Lum J, Ang N, Duan K, Gersten A, Abuzeid WM, Akbar N, Gibber M, Howland S, Lee B, Rötzschke O, Porcelli SA, Jerschow E. Neutrophilic inflammation and epithelial barrier disruption in nasal polyps characterize NSAID-exacerbated respiratory disease. *Allergy*. 2021 Dec 18. [Epub ahead of print]

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