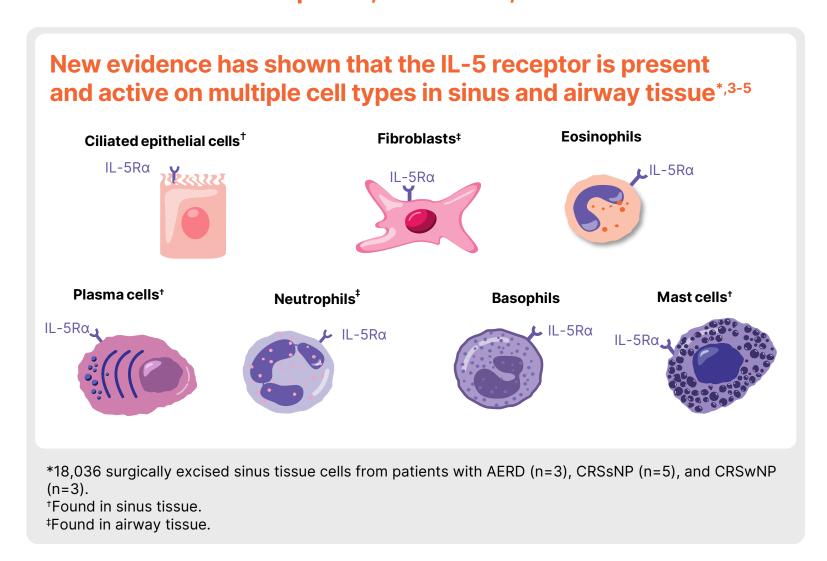
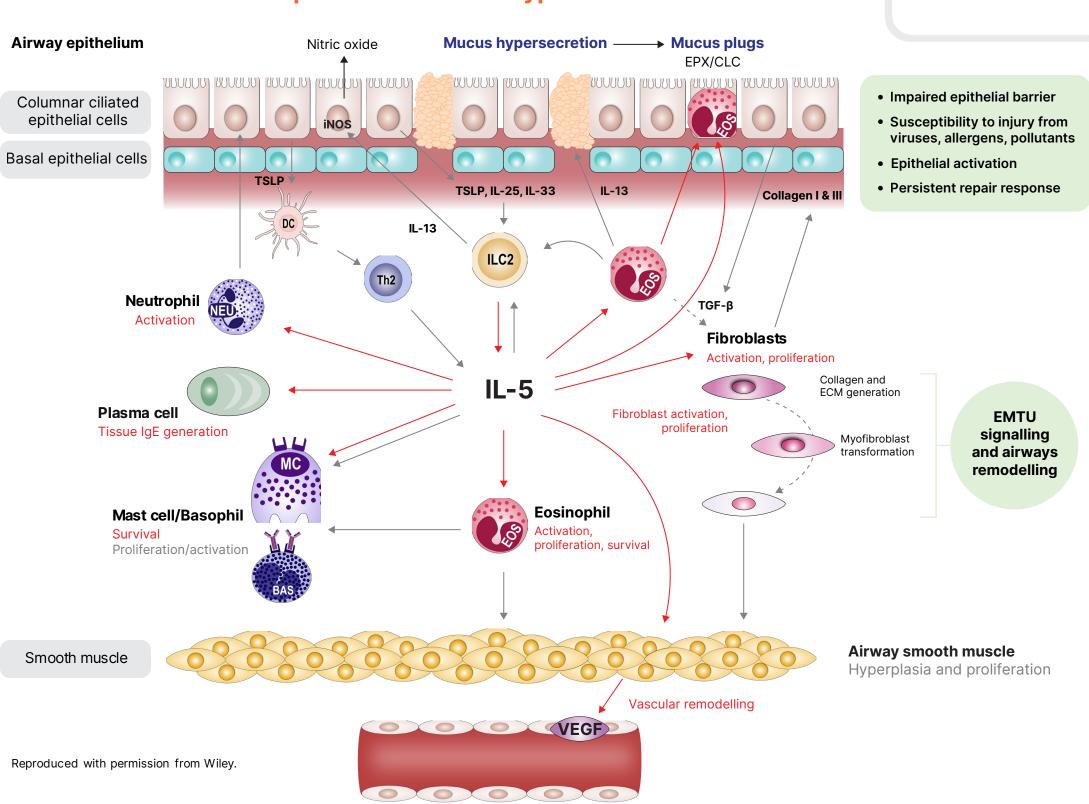


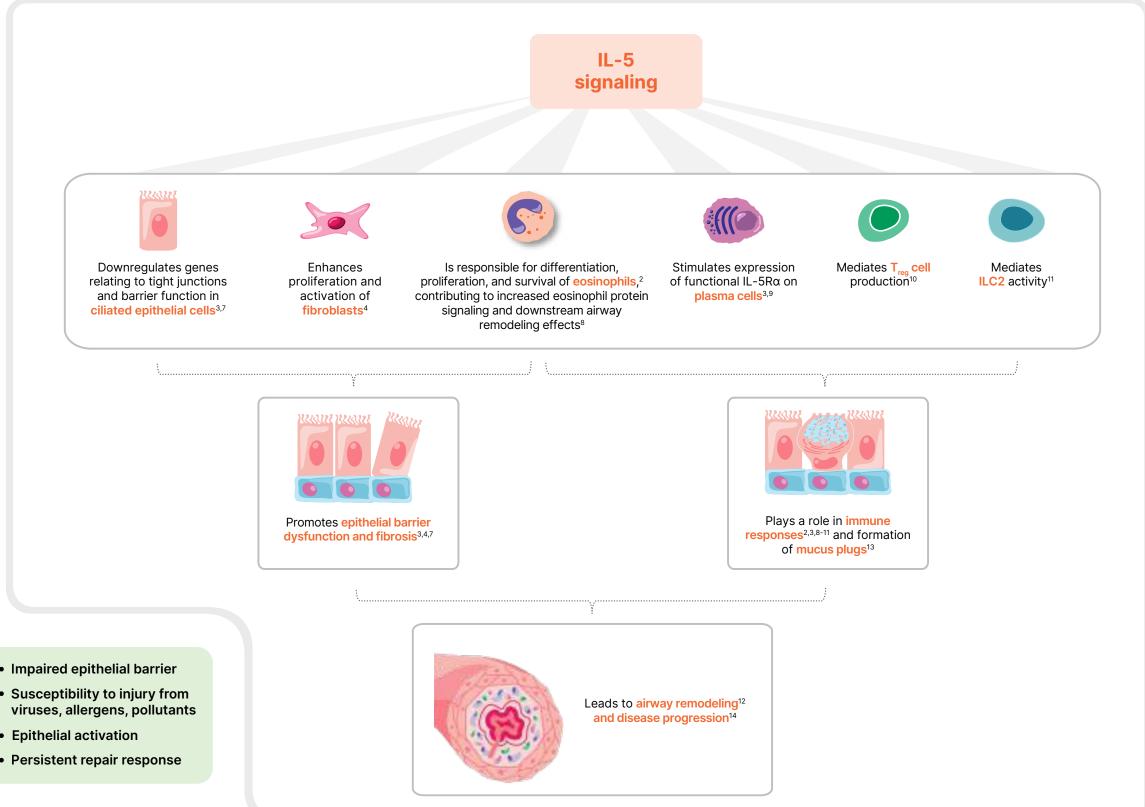
The Role of IL-5 on Eosinophils Has Been Well Established as Central to Its Development, Maturation, and Activation^{1,2}



Effects of IL-5 on eosinophils and other cell types⁶



Evolving Evidence Suggests the Effect of IL-5 on Eosinophils and Other Cell Types Can Lead to Epithelial Barrier Dysfunction, Airway Remodeling, and Disease Progression^{3,4,7-12}



The relative contributions of **IL-5 beyond eosinophils** to **disease pathology** have yet to be quantified and **require further studies** to understand the impact of each contributing factor in the disease processes of patients with IL-5-mediated conditions.

This information is scientific and non-promotional in nature and is not intended for further distribution.

bbreviations:

AERD: aspirin-exacerbated respiratory disease; CLC: Charcot-Leyden crystals; CRSsNP: chronic rhinosinusitis without nasal polyps; CRSwNP: chronic rhinosinusitis with nasal polyp; DC: dendritic cell; ECM: extra-cellular matrix; EMTU: epithelial-mesenchymal trophic units; EPX: eosinophil peroxidase; ILC: innate lymphoid cell; ILC2: type 2 innate lymphoid cells; IL-5R α : interleukin-5 receptor alpha; iNOS: inducible nitric oxide synthase; TGF- β : transforming growth factor β ; T_{reg} : regulatory T cell; TSLP: tymic stromal lymphopoietin; VEGF: vascular endothelial growth factor.

References:

1. Travers J et al. Mucosal Immunol. 2015;8(3):464-75. 2. Pelaia C et al. Front Physiol. 2019;10:1514. 3. Buchheit KM et al. J Allergy Clin Immunol. 2021;148(2):574-84. 4. Bajbouj K et al. Allergy. 2023;78(3):882-5. 5. Gorski SA et al. PLoS ONE. 2019;14:1-13. 6. Buchheit KM et al. Allergy. 2024;79(10):2662-79. 7. Barretto KT et al. Allergy. 2020;75(8):2127-30. 8. Siddiqui S et al. J Allergy Clin Immunol. 2023;152(4):841-57. 9. Buchheit KM et al. J Allergy Clin Immunol. 2020;145(6):1574-84. 10. Bergantini L et al. Scand J Immunol. 2021;94(1):e13031. 11. Malik B et al. Respirology. 2023;28(8):758-66. 12. Domvri K et al. J Allergy Clin Immunol. 2025;155(2):425-35. 13. Dunican EM et al. J Clin Invest. 2018;128(3):997-1009. 14. Huang Y et al. Ann Transl Med. 2022;10(18):1023.