

**Publications by Amit Singhal**  
(as of May 2025)

**Preprints:**

Chen Y, Low JM, Marzuki M, Lee A, Zhong Y, Quan D, Foo S, Tay A, Lim J, Amin Z, Howland S, **Singhal A**. Multi-omics analysis of immune development in infants exposed to SARS-CoV-2 in utero. *Nat Immunol* 2025 In review.

Smulan L, Jameson M, Cheng C, Balachander A, Lum J, Chan Y, Fatima S, Fang W, Lau MC, Coulon R, Arbiser J, **Singhal A\***, Kornfeld H\*. IL-1b-Sirtuin 3 axis regulates mitochondrial metabolism in bystander macrophages during *Mycobacterium tuberculosis* infection. *PNAS* 2025 In review (\*Co-corresponding author)

Chauhan K, Passricha N, Kapoor Y, Datta D, Arora N, Das M, Rao K, Singh L, Dutt R, Sharma R, Sarkar B, Malakkal B, Saini P, Mehra L, Das P, Ahuja V, **Singhal A**, Nandicoori V, Kumar D. A *Mycobacterium tuberculosis* secreted virulence factor Rv1435c/hsr1 disrupts host snRNP biogenesis. *BioRxiv*. doi.org/10.1101/2024.02.06.579120. *PNAS* 2025 *In Press*

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### Reviews:

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### **Book chapters:**

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**Singhal A**, Kornfeld H. 2021. Metformin: A Leading HDT Candidate for TB. In: Karakousis P.C., Hafner R., Gennaro M.L. (eds) Advances in Host-Directed Therapies Against Tuberculosis. Springer, Cham. [https://doi.org/10.1007/978-3-030-56905-1\\_7](https://doi.org/10.1007/978-3-030-56905-1_7).

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