

Publications by Matthew Zirui Tay (as of May 2025)

Preprints:

Lee, C.Y., Huang, C.-W., De Falco, L., Minhat, R.A., Traversier, A., Wang, B., Salleh, S.N.M., Ngoh, E.Z.X., Huang, Y., Kim, J., **Tay, M.Z.**, Rosa-Calatrava, M., Pizzorno, A., Huber, R.G., and Wang, C.-I. (In press) "A Combinatorial and Computational Tandem Approach towards a Universal Therapeutics against ACE2-Mediated Coronavirus Infections." iScience.

Tang, W., Kim, J., Lee, R.T.C., Maurer-Stroh, S., Renia, L., and **Tay, M.Z.** (In press) "SARS-CoV-2: Lessons in virus mutation prediction and pandemic preparedness." Current Opinion in Immunology.

Cui, X., Liu, Y., Wu, T., **Tay, M.Z.**, Cheow, L.F. (In press) "Microfluidic-enabled production of DNA barcoded APC library (MEDAL) for high throughput T cell epitope screening." Small Methods.

Publications:

Leong, F.Y., Ge, Z., Loo, L.H., Fong, S.-W., Goh, Y.S., Xu, G., Kang, C.W., Wong, J.C.C., Li, H., Ooi, C.C. and **Tay, M.Z.** (2025). "Aerosol transmission risk of mpox relative to COVID-19 and smallpox." The Lancet Microbe, 101082.

Tang, W., Chang, Z.W., Goh, Y.S., Tan, Y.J., Hor, P.X., Loh, C.Y., Lye, D.C., Young, B.E., Ng, L.F.P., **Tay, M.Z.** and Rénia, L., on behalf of the COVID-19 Cohort Study Group, NCID Study Group, COVID Clinicians' Group, 2025. "SARS-CoV-2 mRNA Vaccines Induce Cross-Reactive Antibodies to NL63 Coronavirus but Do Not Boost Pre-Existing Immunity Anti-NL63 Antibody Responses." Vaccines, 13, 268.

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Chang, Z. W., Y. S. Goh, A. Rouers, S. W. Fong, **M. Z. Tay**, J. M. Chavatte, P. X. Hor, C. Y. Loh, Y. Huang, Y. J. Tan, V. Neo, I. K. J. Kam, N. K. Yeo, E. X. Tan, D. Huang,

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Reviews:

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