

Recent publications

1. **Tan CW***, Chia WN*, Young BE, Zhu F, Lim BL, Sia WR, Thein TL, Chen MI, Leo YS, Lye DC, Wang LF. Pan-sarbecovirus neutralizing antibodies in BNT162b2-immunised SARS-CoV-1 survivors. *New England Journal of Medicine* 2021, 385(15): 1401-1406.
2. **Tan CW***, Chia WN*, Qin X, Liu P, Chen MI, Tiu C, Hu Z, Chen VC, Young BE, Sia WR, Tan YJ, Foo R, Yi Y, Lye DC, Anderson DE, Wang LF. A SARS-CoV-2 surrogate virus neutralization test based on antibody-mediated blockage of ACE2-spike protein-protein interaction. *Nature Biotechnology* 2020, 38(9): 1073-1078.
3. **Tan CW*#**, Chia WN*, Zhu F, Young BE, Chantasrisawad N, Hwa SH, Yeoh AYY, Lim BL, Yap WC, Pada SK, Tan SY, Jantarabenjakul W, Toh LK, Chen S, Zhang J, Mah YY, Chen V, Chen MIC, Wacharapluesadee S, Sigal A, Putcharoen O, Wang LF#. Evidence for emergence of SARS-CoV-2 Omicron variants under immune selection. *Nature Microbiology* 2022, 7(11):1756-1761.
4. **Tan CW***, Lim BL, Young BE, Yeoh AYY, Althaus T, Yap WC, Yung CF, Chia WN, Zhu F, Lye D, Wang LF#. Comparative neutralization profile of SARS-CoV-2 Omicron BA.2.75 and BA.5. *Lancet Microbe* 2022, 3(12): e898
5. **Tan CW*#**, Zhu F*, Chia WN*, Young BE, Yeoh AYY, Althaus T, Yung CF, Yap WC, Lim BL, Chen MIC, Zhang J, Mah YY, Voiglio E, Sigal A, Huo J, Xu S, Tan YJ, Lam KP, Lye D, Wang LF#. Distinctive serotypes of SARS-related coronaviruses defined by convalescent sera from unvaccinated individuals. *hLife* 2023, In press (<https://doi.org/10.1016/j.hlife.2023.07.002>).
6. Chia WN*, **Tan CW***, Tan AWK*, Young B, Starr TN, Lopez E, Fibriansah G, Barr J, Cheng S, Yeoh AY, Yap WC, Lim BL, Ng TS, Sia WR, Zhu F, Chen S, Zhang J, Kwek MSS, Greaney AJ, Chen M, Au GG, Paradkar PN, Peiris M, Chung AW, Bloom JD, Lye D, Lok S, Wang LF. Potent pan huACE2-dependent sarbecovirus neutralizing monoclonal antibodies isolated from a BNT162b2-vaccinated SARS survivor. *Science Advances* 2023, 9(30): eade3470.
7. **Tan CW*#**, Gamage AM, Yap WC, Tang LJW, Sun Y, Yang XL, Pyke A, Chua KB, Wang LW#. Pteropine orthoreoviruses use cell surface heparan sulfate as an attachment receptor. *Emerging Microbe & Infection* 2023, 12(1): 2208683.
8. Luo Y*, **Tan CW***, Xie SZ#, Chen Y, Yao YL, Zhao K, Zhu Y, Wang Q, Liu MQ, Yang XL, Wang LF, Shi ZL. Identification of ZDHHC17 as a potential drug target for swine acute diarrhea syndrome coronavirus infection. *mBio* 2021, 12(5): e0234221.
9. Wacharapluesadee S*, **Tan CW***, Maneeorn P, Duengkae P, Zhu F, Joyjinda Y, Kaewpom T, Chia WN, Ampoot W, Lim BL, Worachotsueptrakun K, Chen VCW, Sirichan N, Ruchisrisarod C, Rodpan A, Noradechanon K, Phaichana T, Jantararat N, Thongnumchaima B, Tu C, Cramer G, Stokes MM, Hemachudha T, Wang LF. Evidence for SARS-CoV-2 related coronaviruses circulating in bats and pangolins in Southeast Asia. *Nature communication* 2021, 12(1):972.
10. Evans TS, **Tan CW**, Aung O, Phyu S, Lin H, Coffey LL, Toe AT, Aung P, Aung TH, Aung NT, Weiss CM, Thant KZ, Htun ZT, Murray S, Wang LF, Johnson CK, Thu HM. Exposure to diverse sarbecoviruses indicates frequent zoonotic spillover in human communities interacting with wildlife. *International Journal of Infectious Diseases* 2023, 131: 57-64.
11. Yang XL, **Tan CW***, Anderson DE, Jiang RD, Li B, Zhang W, Zhu Y, Lim XF, Zhou P, Liu XL, Guan W, Zhang L, Li SY, Zhang YZ, Wang LF, Shi ZL. Characterization of a filovirus (Mengla virus) from Rousettus bats in China. *Nature Microbiology* 2019, 4(3): 390-395.
12. Yong SEF, Anderson DE, Wei WE, Pang J, Chia WN, **Tan CW**, Teoh YL, Rajendram P, Toh MPHS, Poh C, Koh VTJ, Lum J, Suhaimi NA, Chia PY, Chen MIC, Vasoo S, Ong B, Leo YS, Wang LF, Lee VJM. (2020) Connecting clusters of COVID-19: an epidemiological and serological investigation. *Lancet Infectious Diseases* 2020, 20(7): 809-815.