

1. COI affiliated Publications

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- 2) Dejnirattisai W#, Zhou D#, Supasa P#, Liu C#, Mentzer A.J#, ... Mongkolsapaya J*, Ren J*, Stuart D.I*, Sreaton GR*. Antibody evasion by the P.1 strain of SARS-CoV-2. [Cell.](#) 2021 Mar 30;S0092-8674(21)00428-1. doi: 10.1016/j.cell.2021.03.055.
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- 4) Hongbing Yang, Margarida Rei, Simon Brackenridge, Elena Brenna, Hong Sun, Shaheed Abdulhaqq, Michael K P Liu, Weiwei Ma, Prathiba Kurupati, Xiaoning Xu, Vincenzo Cerundolo, Edward Jenkins, Simon J Davis, Jonah B Sacha, Klaus Früh, Louis J Picker, Persephone Borrow, Geraldine M Gillespie, Andrew J McMichael. HLA-E–restricted, Gag-specific CD8+ T cells can suppress HIV-1 infection, offering vaccine opportunities. [Sci Immunol.](#) 2021 Mar 25;6(57):eabg1703. doi: 10.1126/sciimmunol.abg1703.
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- 6) Dejnirattisai W#, Zhou D#, Ginn H.M#, Duyvesteyn H.M.E#, ... Mongkolsapaya J*, Diamond M.S*, Ren J*, Stuart D.I*, Sreaton, GR*. The Antigenic Anatomy of SARS-CoV-2 Receptor Binding Domain. [Cell.](#) 2021 Feb 18. doi:https://doi.org/10.1016/j.cell.2021.02.032.
- 7) Supasa P#, Zhou D#, Dejnirattisai W#, Liu C#, Mentzer A.J#,... Mongkolsapaya J*, Ren J*, Stuart D.I*, Sreaton, G.R*, Reduced neutralization of SARS-CoV-2 B.1.1.7 variant by convalescent and vaccine sera. [Cell.](#) 2021 Feb 18. doi: <https://doi.org/10.1016/j.cell.2021.02.033>.
- 8) Zhou D#, Dejnirattisai W#, Supasa P#, Liu C#, Mentzer A#,... Mongkolsapaya J*, Ren J*, Stuart D.I*, Sreaton, G.R*. Evidence of escape of SARS-CoV-2 variant B.1.351

from natural and vaccine induced sera. [Cell](#). 2021 Feb 23.
doi:<https://doi.org/10.1016/j.cell.2021.02.037>

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- 13) Tan TK#, Rijal P#, Rahikainen R, Keeble A, Schimanski L, Hussain S, ... McCauley JW, Huang KA, Howarth M, Townsend AR*. A COVID-19 vaccine candidate using SpyCatcher multimerization of the SARS-CoV-2 spike protein receptor-binding domain induces potent neutralising antibody responses. [Nat Commun](#). 2021 Jan 22, 12, 542. doi: 10.1038/s41467-020-20654-7.
- 14) Voysey M, Clemens SAC, Madhi SA, Weckx LY, Folegatti PM, ...**Oxford COVID Vaccine Trial Group**. Safety and efficacy of the ChAdOx1 nCoV-19 vaccine (AZD1222) against SARS-CoV-2: an interim analysis of four randomised controlled trials in Brazil, South Africa, and the UK. [Lancet](#). 2021 Jan 9;397(10269):99-111. doi: 10.1016/S0140-6736(20)32661-1.
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- 16) Ramasamy MN, Minassian AM, Ewer KJ, Flaxman AL, ... **Oxford COVID Vaccine Trial Group**. Safety and immunogenicity of ChAdOx1 nCoV-19 vaccine administered in a prime-boost regimen in young and old adults (COV002): a single-blind, randomised, controlled, phase 2/3 trial. [*The Lancet*](#). 2020 Dec 19, 396(10267):1979-1993. doi: 10.1016/S0140-6736(20)32466-1.
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- 18) Pinto-Fernandez A, Salio M, Partridge T, Chen J ... Cerundolo V, Kessler BM*. Deletion of the deISGylating enzyme USP18 enhances tumour cell antigenicity and radiosensitivity. [*Br J Cancer*](#). 2020 Nov 20. doi: 10.1038/s41416-020-01167-y.
- 19) Zhou D, Duyvesteyn HME, Chen CP, Huang CG, ... Townsend AR, Fry EE, Zhao Y, Ren J, Stuart DI*, Huang KA*. Structural basis for the neutralization of SARS-CoV-2 by an antibody from a convalescent patient. [*Nat Struct Mol Biol*](#). 2020 Oct;27(10):950-958. doi: 10.1038/s41594-020-0480-y.
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- 23) Folegatti PM, Ewer KJ, Aley PK, Angus B, Becker S, ... **Oxford COVID Vaccine Trial Group**. Safety and immunogenicity of the ChAdOx1 nCoV-19 vaccine against SARS-CoV-2: a preliminary report of a phase 1/2, single-blind, randomised controlled trial. [*Lancet*](#). 2020 Aug 15;396(10249):467-478. doi: 10.1016/S0140-6736(20)31604-4.

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- 25) Miao X, Luo Y, Huang X, Lee S, Yuan Z, Tang Y, Chen L, Wang C, Jiang W, Gao W, Song X, Yan Y, Pang T, Zou Y, Fu W, Wan L, Gilbert-Jaramillo J, Knight M, Tan T, Rijal P, Townsend A, Sun J, Liu X, James W, Tsun A, Xu Y. A novel biparatopic hybrid antibody-ACE2 fusion that blocks SARS-CoV-2 infection: implications for therapy. *Mabs*. 2020 Aug;12(1):1804241. doi: 10.1080/19420862.2020.1804241.
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- 27) Zhang Y., Qin L., Zhao Y., Zhang P., Xu B., Li K., Liang L., Zhang C., Dai Y., Feng Y., Sun J., Hu Z., Xiang H., Knight JC., Dong T*, Jin R*. Interferon-Induced Transmembrane Protein 3 Genetic Variant rs12252-C Associated With Disease Severity in Coronavirus Disease 2019. *J Infect Dis*. 2020 Jul 1, 222(1): 34–37. doi: 10.1093/infdis/jiaa224.
- 28) Zhang C, Qin L, Li K., Wang Q., Zhao Y, Xu B, Liang L, Dai Y, Feng M, Sun J, Li X, Hu Z, Xiang H, Dong T, Jin R*, Zhang Y*. A novel scoring system for prediction of disease severity in COVID-19. *Front. Cell. Infect Microbiol*. 2020 Jun 5;10:318. doi: 10.3389/fcimb.2020.00318.
- 29) Abd Hamid M #, Yao X, Waugh C, Rosendo-Machado S., Li C, Rostron T, Frankland J, Peng Y, Dong T*. Defective Interferon Gamma Production by Tumor-Specific CD8+ T Cells Is Associated With 5' Methylcytosine-Guanine Hypermethylation of Interferon Gamma Promoter. *Front Immunol*. 2020 Mar 5;11:310. doi: 10.3389/fimmu.2020.00310.
- 30) Abd Hamid M #, Colin-York H, Khalid-Alham N, Browne M, Cerundolo L, Chen J-L, Yao X, Rosendo-Machado S, Waugh C, Maldonado-Perez D, Bowes E, Verrill C, Cerundolo V, Conlon CP, Fritzsche M, Peng Y, Dong T. Self-Maintaining CD103+ Cancer-Specific T Cells Are Highly Energetic with Rapid Cytotoxic and Effector Responses. *Cancer Immunol Res*. 2020 Feb;8(2):203-216. doi: 10.1158/2326-6066.CIR-19-0554.
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- 32) Li X, Wang R, Fan P, Yao X, Qin L, Peng Y, Ma M, Asley N, Chang X, Feng Y, Hu Y, Zhang Y, Li C, Fanning G, Jones S, Verrill C, Maldonado-Perez D, Sopp P, Waugh C, Taylor S, McGowan S, Cerundolo V, Conlon C, McMichael A, Lu S, Wang X, Li N, Dong T*. A Comprehensive Analysis of Key Immune Checkpoint Receptors on Tumor-Infiltrating T Cells From Multiple Types of Cancer. *Front Oncol*. 2019 Oct; 9:1066. doi: 10.3389/fonc.2019.01066.
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- 36) Huang KA, Rijal P, Jiang H, Wang B, Schimanski L, Dong T, Liu YM, Chang P, Iqbal M, Wang MC, Chen Z, Song R, Huang CC, Yang JH, Qi J, Lin TY, Li A, Powell TJ, Jan JT, Ma C, Gao GF, Shi Y, Townsend AR*. Structure-function analysis of neutralizing antibodies to H7N9 influenza from naturally infected humans. *Nat Microbiol*. 2019 Feb; 4(2):306-315. doi: 10.1038/s41564-018-0303-7.
- 37) Wellington D, Laurenson-Schafer H, Abdel-Haq A, Dong T. IFITM3: How genetics influence influenza infection demographically. *Biomed J*. 2019 Feb; 42(1):19-26. doi: 10.1016/j.bj.2019.01.004.
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receptor linked to functional CD40 ligand from helper T cells. [Elife](#). 2019 Aug; 8:e47528. doi: 10.7554/eLife.47528.

2. COI affiliated Publications-Preprints

- 1) Huang KA*, Tan TK, Chen T, Huang C, Harvey R, ... McCauley, Rijal P, Townsend AR*. Plasmablast-derived antibody response to acute SARS-CoV-2 infection in humans. bioRxiv 2020.08.28.267526; doi: <https://doi.org/10.1101/2020.08.28.267526>. ([Nature Microbiology](#), under review)
- 2) Carrique L[#], Duyvesteyn HM[#], Malinauskas T, Zhao Y, Ren J, Zhou D, Walter TS, Radecke J, Huo J, Ruza RR, Shah PN, Fry EE, Stuart DI. The SARS-CoV-2 Spike harbours a lipid binding pocket which modulates stability of the prefusion trimer. [bioRxiv](#) 2020.08.13.249177; doi: <https://doi.org/10.1101/2020.08.13.249177>.