

**In collaboration with local HIV/AIDS clinicians and international HIV/AIDS researchers, the PC shared some knowledge and literature in two published books, as shown in the following:**

[1] A01 Virology and immunology (by Zhiwei CHEN), HIV Manual (Fourth edition), Published by : Department of Health, Centre for Health Protection, Stanley Ho Centre for Emerging Infectious Diseases of the Chinese University of Hong Kong. (Link: <https://hivmanual.hk/>)

[2] Monkey Models and HIV Vaccine Research (by Zhiwei CHEN), HIV Vaccines and Cure: The Path Towards Finding an Effective Cure and Vaccine (Advances in Experimental Medicine and Biology, 1075), by Springer. (Link: <https://doi.org/10.1007/978-981-13-0484-2>)

**Technologies:**

[1] ICVAX – CFDA approval (ID: 2022LP00868) reported in 2nd review report.

[2] ICCOV – ClinicalTrials.gov (NCT number): NCT05102643, reported in 2nd review report.

[3] CU+ Mobile App – Reference website: <https://cuplus.hk/en/>.

**The list of all peer-reviewed journal publications acknowledging this project:**

- [1] Yang Q, Wang J, Chen Z. Conditional splicing system for tight control of viral overlapping genes. *J Virol*. 2024 Mar 6:e0024224. doi: 10.1128/jvi.00242-24.  
<https://pubmed.ncbi.nlm.nih.gov/38446633/>
- [2] Mo Y, Yue M, Yim LY, Zhou R, Yu C, Peng Q, Zhou Y, Luk TY, Lui GC, Huang H, Lim CYH, Wang H, Liu L, Sun H, Wang J, Song Y, Chen Z. Nicotinamide mononucleotide impacts HIV-1 infection by modulating immune activation in T lymphocytes and humanized mice. *EBioMedicine*. 2023 Dec;98:104877. doi: 10.1016/j.ebiom.2023.104877.  
<https://pubmed.ncbi.nlm.nih.gov/37980794/>
- [3] He X, Wong YC, Zhong M, Mo Y, Li B, Yim LY, Li X, Liu W, Du Y, Wang H, Zhang H, Chen Z. A follow-up study: 6-year cART-free virologic control of rhesus macaques after PD-1-based DNA vaccination against pathogenic SHIVSF162P3CN challenge. *Microbiol Spectr*. 2023 Dec 12;11(6):e0335023. doi: 10.1128/spectrum.03350-23.  
<https://pubmed.ncbi.nlm.nih.gov/37921496/>
- [4] Xu H, Zhou R, Chen Z. Tissue-Resident Memory T Cell: Ontogenetic Cellular Mechanism and Clinical Translation. *Clin Exp Immunol*. 2023 Dec 13;214(3):249-259. doi: 10.1093/cei/uxad090. <https://pubmed.ncbi.nlm.nih.gov/37586053/>
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- [6] Yim LY, Lam KS, Luk TY, Mo Y, Lu X, Wang J, Cheung KW, Lui GCY, Chan DPC, Wong BCK, Lau TT, Ngan CB, Zhou D, Wong YC, Tan Z, Liu L, Wu H, Zhang T, Lee SS, Chen Z. Transforming Growth Factor  $\beta$  Signaling Promotes HIV-1 Infection in Activated and Resting Memory CD4<sup>+</sup> T Cells. *J Virol*. 2023 May 31;97(5):e0027023. doi: 10.1128/jvi.00270-23.  
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