

# 美迪西CGT研发服务平台

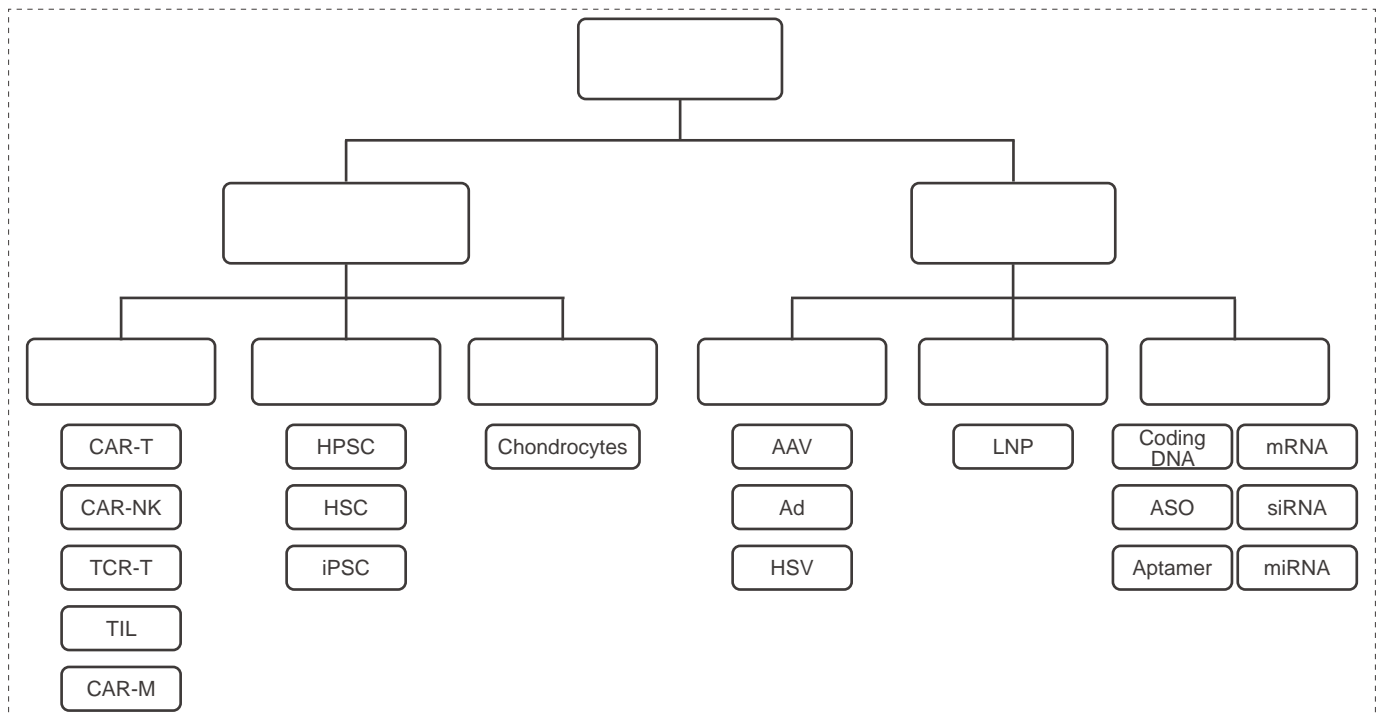
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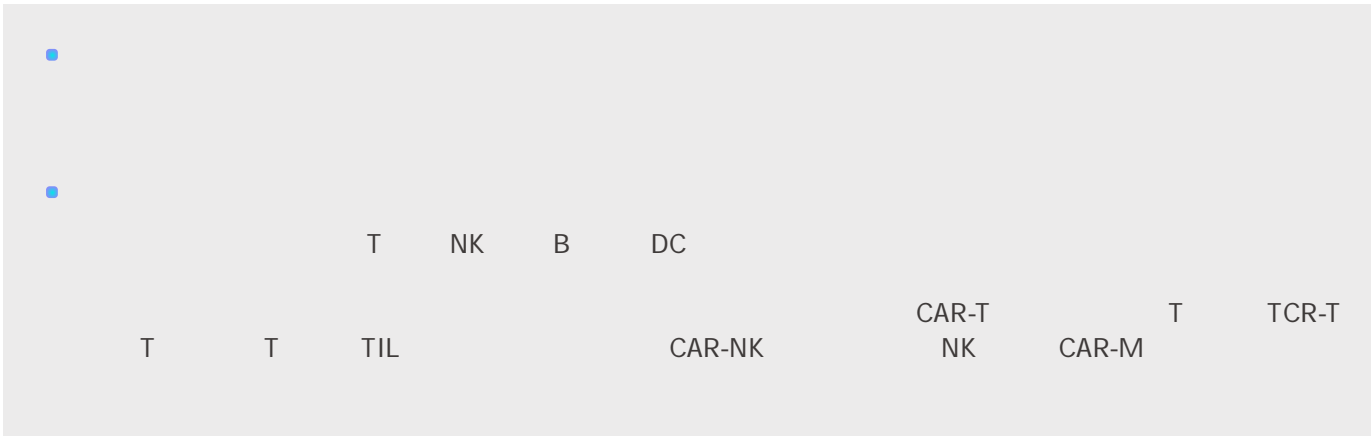
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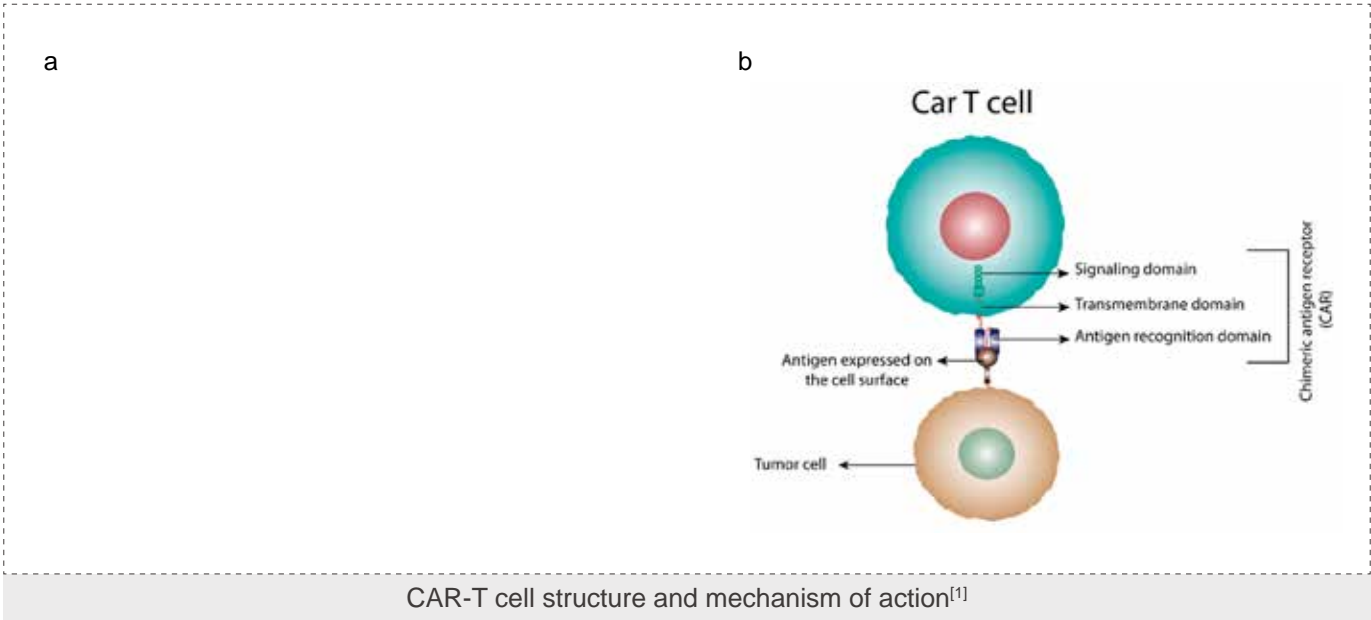
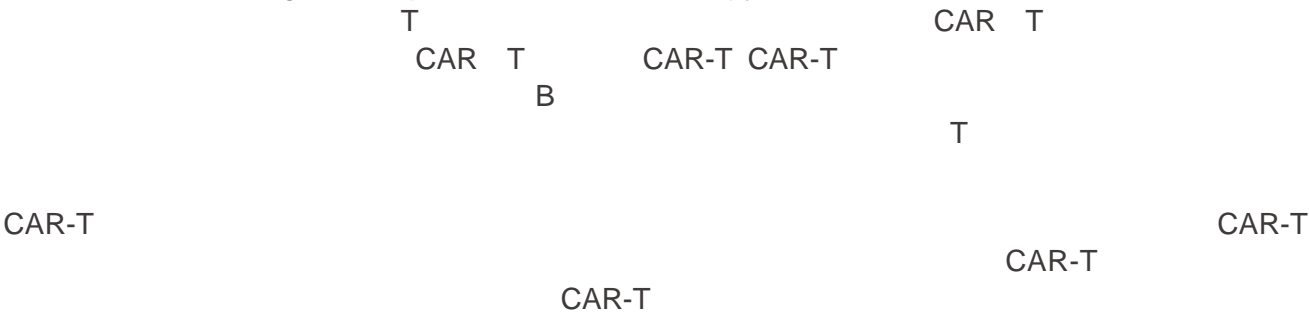
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 CAR-T

CAR-T Chimeric Antigen Receptor T-Cell Immunotherapy





NK (natural killer)  
CAR-NK

CAR-T

CAR NK

**CAR-NK**

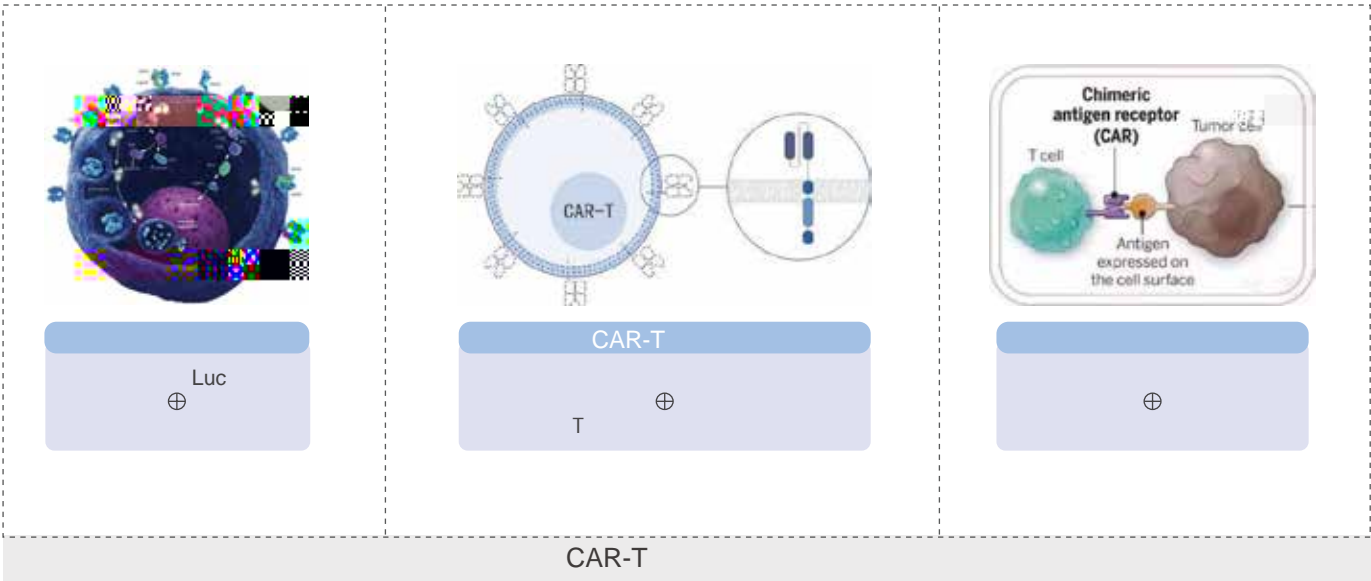
T

NK

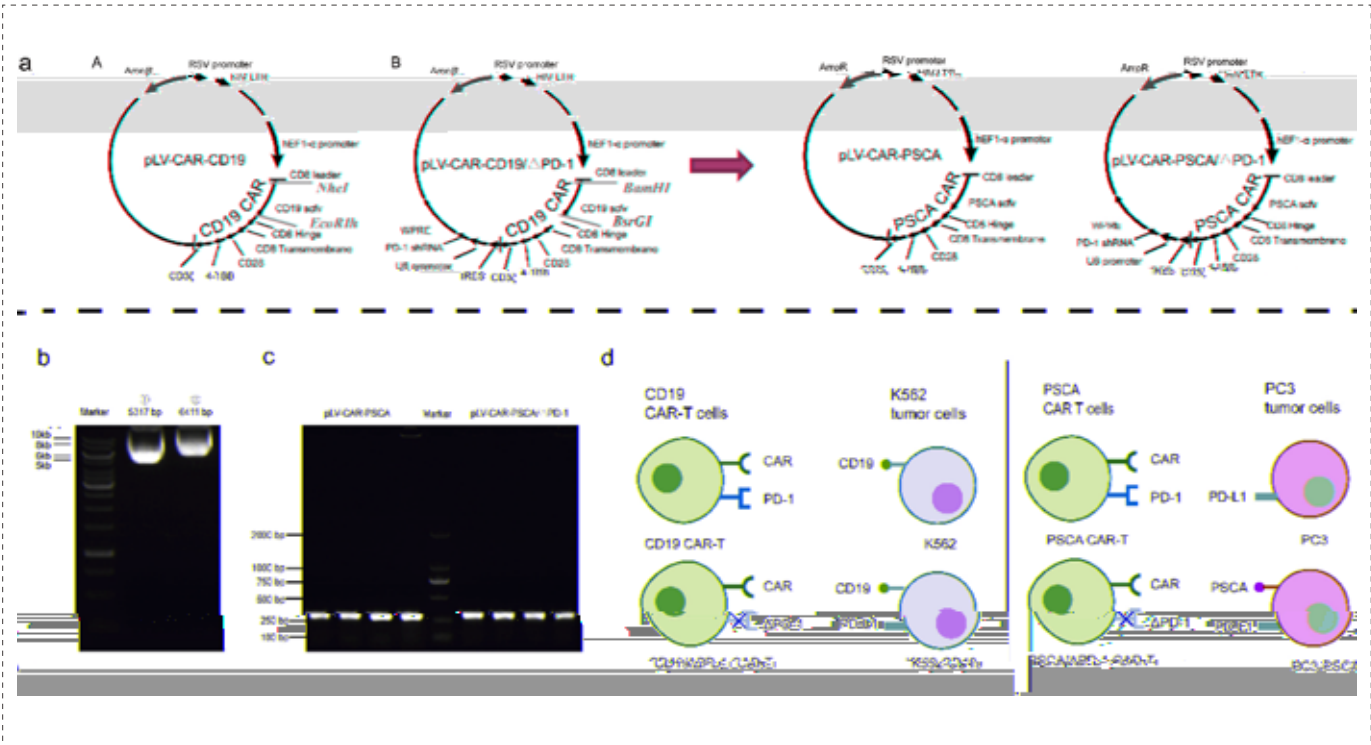
TCR T  
“(Off-the-Shelf



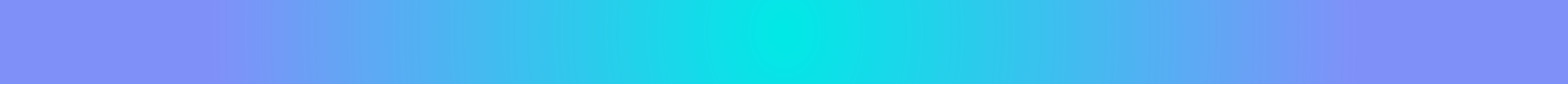




PD-1 shRNA PD-1 CAR T PD-1 CAR-T PD-1 CAR-T



Plasmid containing PD-1 knockdown sequence<sup>[4]</sup>

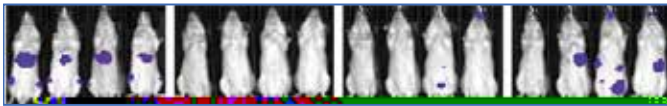




- +
- + CDX
- + PDX
- PBMC HSC +
- +

- +
- + CDX
- PBMC HSC +
- 

- + CDX
- + PDX
- +
- +
- PBMC HSC +
- 



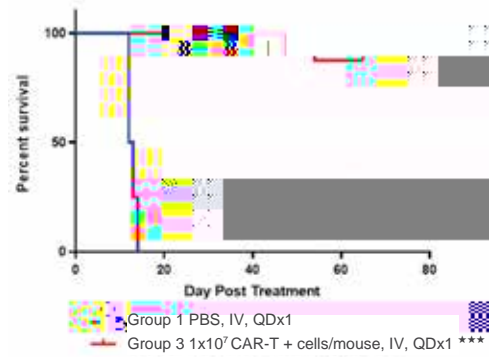
CAR-T + 1x10<sup>7</sup> cells/mouse IV, QDx1

Groups	MST	%T/C <sub>MST</sub>	P-Value
Vehicle	16.5	/	/
CAR T+	>65	>520	P<0.001

Raji-luc

hPBMC

Survival proportions of Raji-luc Systemic Xenograft Model

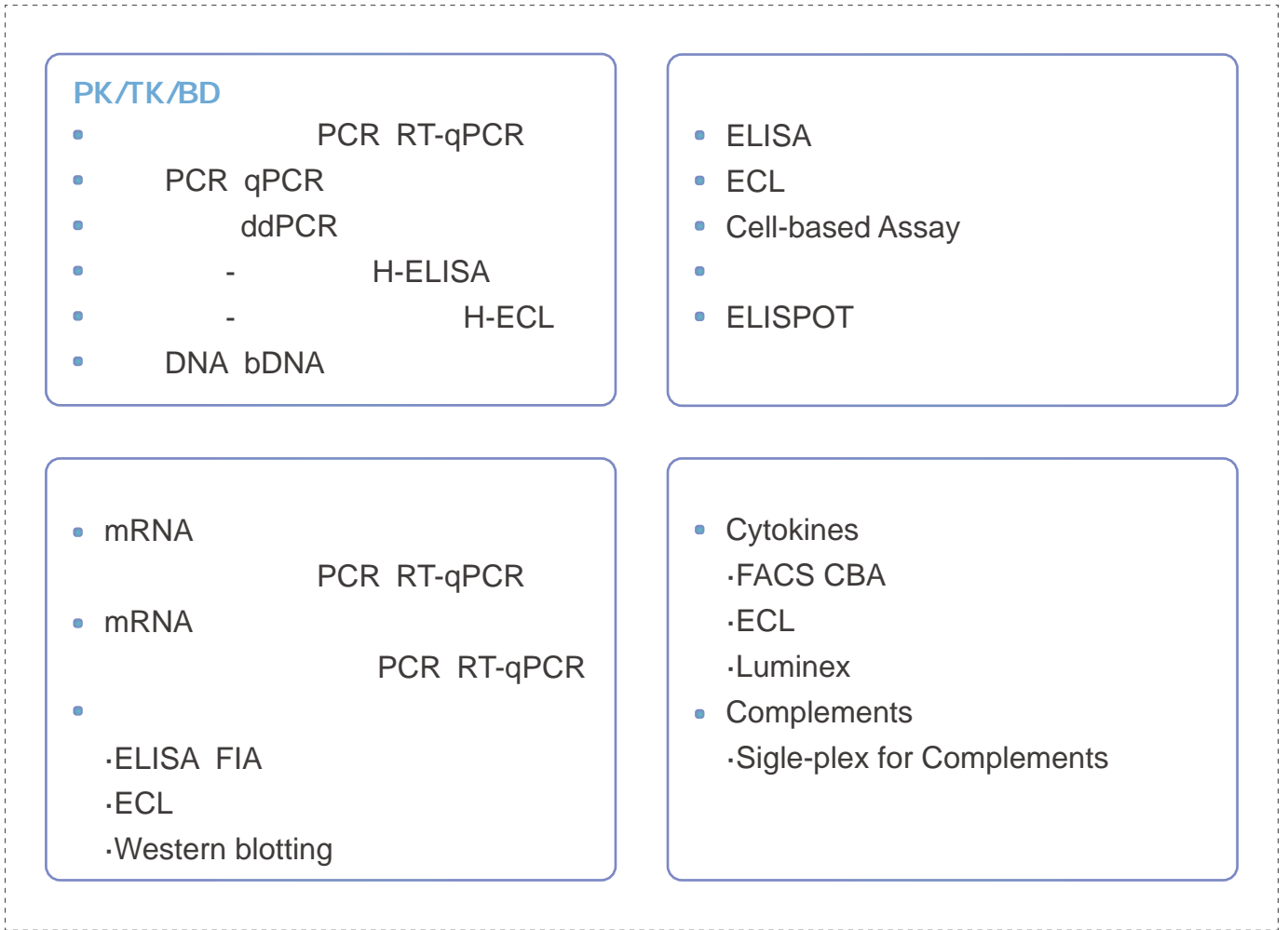






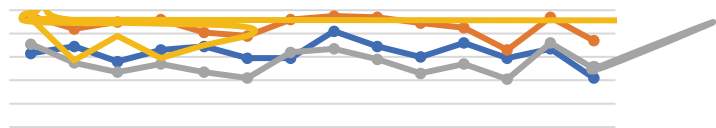


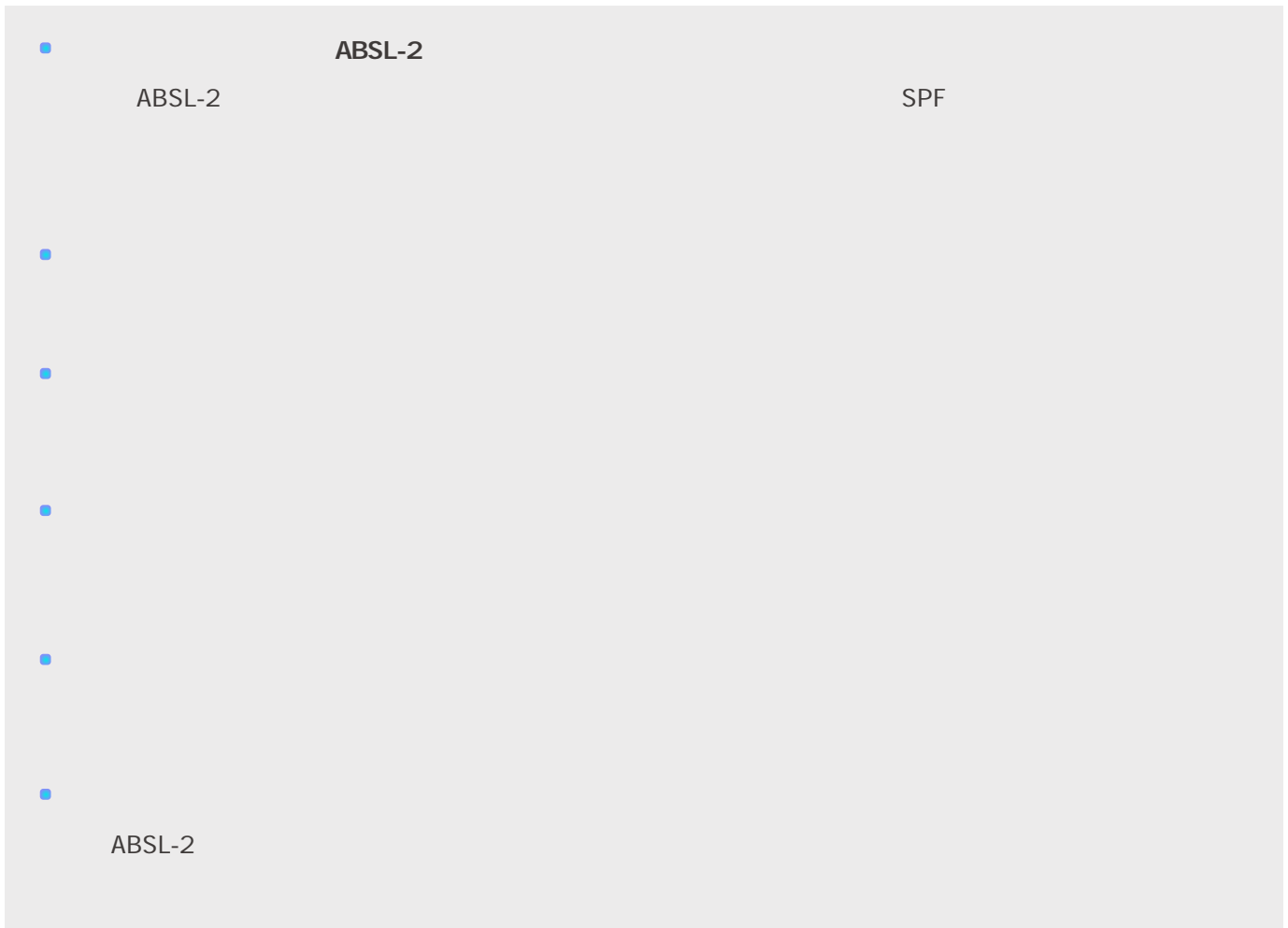
# CGT



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(GVHD)	CRS /	B	CAR-T	on-target/off-tumor
•	•	•	•	
•	•	•	•	





[1] Yi-Ju Chen, et al. CAR-T: What Is Next? *Cancers*. 2023 Jan 21;15(3):663. doi: 10.3390/cancers15030663.

[2] Ana Rosa Saez-Ibañez, et al. Landscape of cancer cell therapies: trends and real-world data. *Nat Rev Drug Discov*. 2022 Sep;21(9):631-632. doi: 10.1038/d41573-022-00095-1.

[3] Leisheng Zhang, et al. CAR-NK cells for cancer immunotherapy: from bench to bedside. *Biomark Res*. 2022 Mar 18;10(1):12. doi: 10.1186/s40364-022-00364-6.

[4] Jing-E Zhou, et al. ShRNA-mediated silencing of PD-1 augments the efficacy of chimeric antigen receptor T cells on subcutaneous prostate and leukemia xenograft. *Biomed Pharmacother*. 2021 May;137:111339. doi: 10.1016/j.biopha.2021.111339.



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