



CGT4HIVCure 2015

Anti-HIV-1 shRNAs protect CD8⁺ T cells modified with CD4ζ CAR from HIV-1 infection and impairment of cell proliferation

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Summary for Community

1. Key question of research
 - What do we need to achieve for a successful CAR-based anti-HIV-1 therapy? (CAR design, Carrier vehicle)
2. Key finding and take home message
 - Protecting CAR-modified T cells from HIV-1 infection is required for efficient HIV-1-specific immune surveillance.
3. Why is this important? How is this related to a cure?
 - The potential of CAR-based therapies can be effective if HIV-1 susceptibility is addressed.
4. Why should we not be excited about this yet?
 - Establishing antigen-specific immunological memory may be a key requirement for long-lived resistance to HIV-1.