Targeting Anti-Viral Antibody to CNS and Other Immuno-Privileged Tissues

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Description:

Circulating CD4 T-cells provide antibody access to the Immuno-privileged tissues

- In a mouse model of genital herpes infection, circulating CD4 memory T cells targeted antibody delivery to the neuronal sites of infection through secretion of interferon-gamma.

- Antibody therapy or vaccine against neurotropic viruses would benefit from generating robust circulating CD4 T cell memory responses first.

- Any biologics that require access of antibody or recombinant protein to immuno-privileged tissues would require prior activation of the tissue with IFN-g, TNF, or other cytokines that increases vascular permeability (for example, antibody-based treatment of brain cancers).


- **IP status**: US patent application pending

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