Anti-CD33 chimeric antigen receptor targeting of acute myeloid leukemia

1. Construct 2nd generation chimeric antigen receptor (CAR) targeting CD33

2. Retroviral transduction of T cells with CAR

3. CAR T cells recognize target antigen and stimulate T cell

4. Activated T cell expresses fasL, releases perforin granzyme and cytokines

5. Granzyme mediated killing of tumor cells

O’Hear et al., Haematologica, 2015