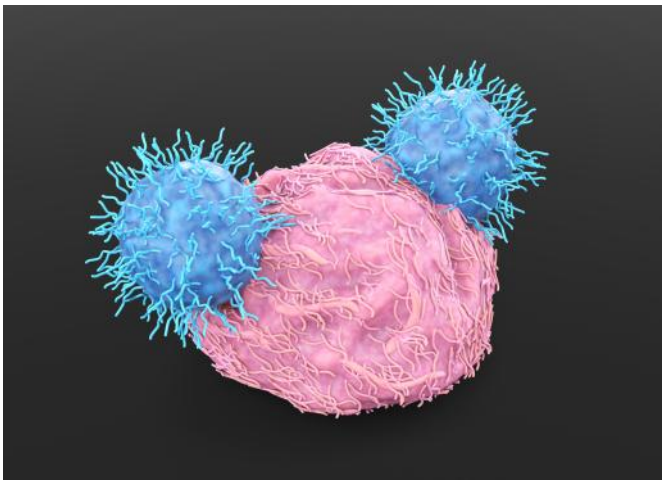
PROJECT NUMBER

21193

Production of T cells with enhanced antigen discrimination power

Generation of T cells with genetic modifications that enhance their discriminatory powers resulting in highly potent on-target responses with dramatically lower off-target cross-reactivity without modifying the TCR.

Applications: TCR-T cells



Features	Benefits
Reduces cross-reactivity by modifying genes extrinsic to the TCR	Uses existing candidate TCRs (i.e. no modifications to the TCR are required)
Modified signalling enables selective responses to high affinity on-target antigens	Maintains on-target potency
Simple genetic modifications	Reduced or abolished responses to lower-affinity off-target antigens (i.e. reduced cross-reactivity)
	Dramatic ~10,000-fold reduction in cross-reactivity

Features	Benefits
	Maintains on-target potency

Patented and Available for

- Co-development
- Consulting
- Licensing

To find out more, contact enquiries@innovation.ox.ac.uk and quote the project number.

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