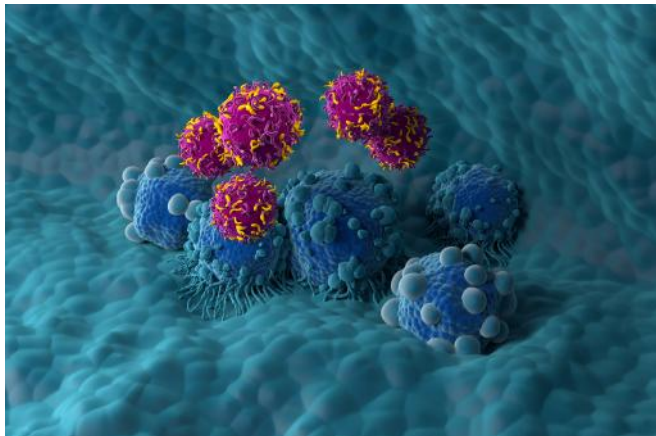


Enhanced Discriminatory Receptors (EDR) - enhancing discriminatory power of T cells

A platform technology that uses the T cell receptor alpha and beta chains to produce a CD3-independent enhanced discriminatory receptor exhibiting high on-target potency with dramatically reduced off-target cross-reactivity.

Applications: TCR-T Cell Therapy



Features	Benefits
Uses existing candidate TCRs	Improves efficacy and reduces cross-reactivity (without modifying the TCR variable domains, i.e. no CDR changes required)
Modified signalling enables selective responses to high affinity on-target antigens	Reduced or abolished responses to lower-affinity off-target antigens (i.e. reduced cross-reactivity)
Surface expression is CD3-independent	No mispairing with endogenous TCRs
	High surface expression

Features

Benefits

Can be expressed in any cell (T cells, NK cells, macrophages, etc)

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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