

RNA-based gene therapy in autoimmune disease

The Problem

- Immunosuppressive drugs are the standard-of-care for most autoimmune diseases.
- Current treatments cause significant adverse effects and morbidity.
- More selective treatments needed for refractory diseases.

The Solution

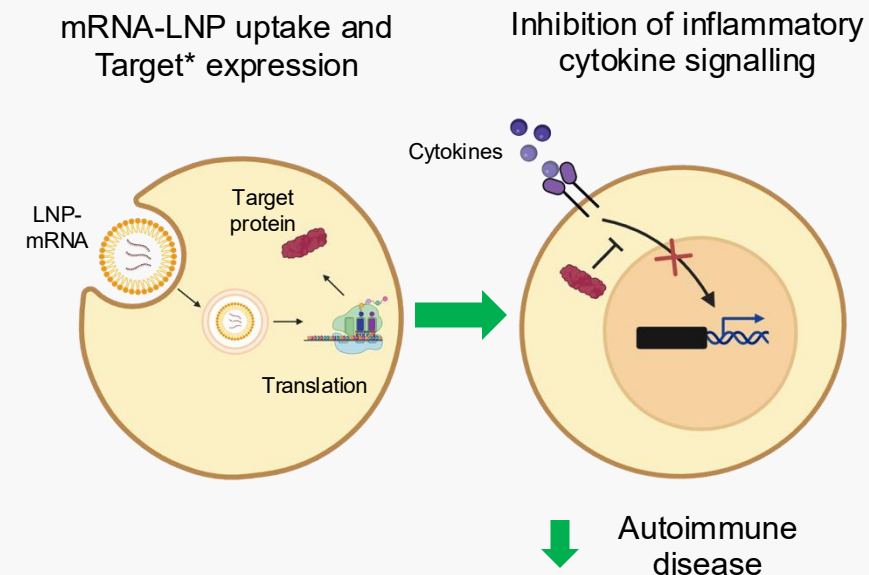
Our team is developing a new autoimmune therapy by targeting inflammatory cytokine signaling using mRNA-LNP delivery. This will enhance intracellular expression of target proteins to switch off damaging inflammatory signalling from subgroups of cytokines.

Our Program

Progress:

- Currently developing a PoC mRNA-LNP delivery system to increase target expression and assess its ability to switch off inflammatory cytokine signalling.

Seeking **partnerships** with expertise in mRNA-LNP delivery



* = Target can be disclosed under a CDA

Our Team

Prof Sandra Nicholson, Cytokine signalling

A/Prof James Vince, Inflammation, mRNA-LNP

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