

Protecting beta cells with IL-2 treatment

Who

Professor John Todd,
University of Oxford



When

October 2018 -
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What

1

Analyse blood samples of IL-2 treatment trial participants



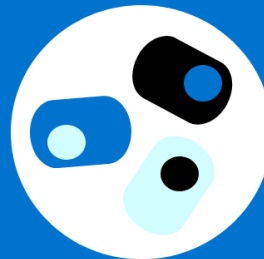
2

Study the activity of single cells in response to IL-2



3

Study responses of rare types of immune cells



4

See whether there are unexpected effects of IL-2



IL-2 is important for regulating the immune system, and low levels of IL-2 is linked to type 1 diabetes.

A recent study found IL-2 treatment was safe and boosted "good" immune cells that protect the pancreas.



Why

- This project will help the team understand how exactly the IL-2 treatment works and spot whether the drug affects other immune cells.
- This work will inform future clinical trials of the IL-2 treatment to protect beta cells in people living with type 1 diabetes.

The future

Strategies to protect beta cells in people diagnosed with type 1 diabetes.

