



iNeuron

Advisory Board for Lived Experience of Stroke, Dementia & Epilepsy (ABLE)



Objective: The iNeuron network has three Pillars and a Cross-Cutting Platform. Pillars will develop a novel approach to neuronal reprogramming to treat neurological conditions. The cross-cutting platform will support this work through collaboration.

Pillar I ('Team Cargo')

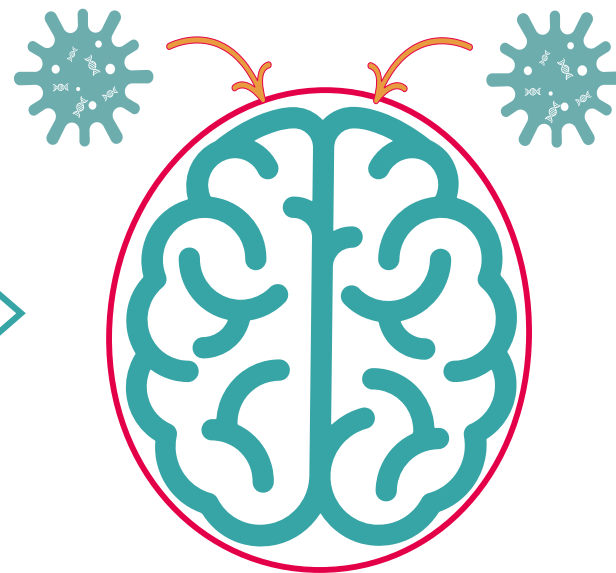
Can we regenerate brain cells as a treatment?



Pillar I will develop gene cargo (i.e., genetic material carried in a virus) that efficiently drives neuronal reprogramming, a process whereby non-neuronal cells (astrocytes) are converted into new neurons.

Pillar II ('Team Delivery')

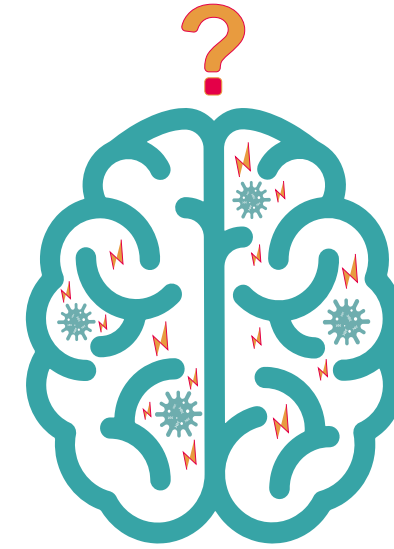
How do we get the treatment into the brain?



Pillar II will work toward engineering tools for delivering transcription factors (proteins that help turn specific genes "on" or "off") past the blood-brain barrier (BBB).

Pillar III ('Team Translation')

How do we know if the treatment is working?



Pillar III will explore how the brain responds to neuronal reprogramming (i.e., if damage was reversed, stayed the same, worsened) in three disease models; Alzheimer's disease, Stroke and Epilepsy.

Clinician Advisory Panel

Bioethics and Science Policy



Cross-Cutting Platform

