

THE ROLE OF MICROBIOTA IN NEURODEGENERATION AND THE PROSPECTS FOR GENE THERAPY

Professor Robert Friedland

University of Louisville

Research conducted in the last 10 years have documented remarkably important influences of the commensal organisms that live in and on our bodies, referred to as the microbiota. These partners have been shown to have a critical role in immunity, metabolism, behaviour, cancer, obesity and stroke. Our work has shown that the microbiota also influence neurodegenerative diseases such as Alzheimer's, Parkinson's and amyotrophic lateral sclerosis, through prion-like mechanisms involving the cross-seeding of protein aggregation and the priming of the innate immune system. This approach is promising because there are many ways in which the composition of our microbial ecosystems can be altered.

Thursday 24 January 2019, 1-2pm

VENUE

Lecture Theatre 2, George Davies Centre

Refreshments available

L

