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The Link between Diabetes and Neurodegenerative Diseases

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Message from the Guest Editor

Nowadays, our society has a long life expectancy. Diabetes and neurodegeneration are two progressive and age-related groups of diseases, being interconnected. Although both pathologies have a genetic component, many other factors are involved in the appearance of both disorders. During recent years, different mechanisms have been proposed in the linkage between these two groups of affections. However, the precise molecular and cellular actors in the connection are unknown to this date.

In this Special Issue, the main pathways, molecules and structures implicated in the appearance, progression and susceptibility to suffer a neurodegenerative disease whilst having diabetes and vice versa will be analyzed.

Keywords:

- type 2 diabetes
- neurodegeneration
- exosomes
- amylin
- protein aggregates
- mitochondrial dysfunction
- alpha-synuclein
- insulin resistance
- brain insulin resistance
- ER stress
- autophagy
- mitophagy
- obesity
- aging



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Special Issue



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