

## Special Issue on **Peripheral Metabolic Disease and Neurodegenerative Diseases: Potential Links and Bad Guys**

# CALL FOR PAPERS

Neurodegenerative diseases are multifactorial and complex pathologies attached to a high social impact. The neurodegeneration is a result of the interaction between genetic and environmental factors. Metabolic disorders, such as diabetes, hypercholesterolemia, obesity, and metabolic syndrome, have been claimed to be important risk factors for neurodegenerative diseases. The oxidative stress seems to be an important molecular connectivity between peripheral metabolic alterations and brain degeneration.

This special issue aims to present and discuss the mechanisms that are involved in both metabolic and neurodegenerative diseases and possibly correlate these two types of disorders, with particular attention to oxidative stress and its related process. We cordially invite authors to submit reviews as well as original papers that could contribute to this topic.

Potential topics include but are not limited to the following:

- ▶ The main environmental factors involved in neurodegenerative diseases pathologies
- ▶ Metabolic disorders as risk factors for neurodegenerative diseases
- ▶ The role of oxidative stress and associated events (e.g., mitochondrial dysfunction) as molecular connections between neurodegenerative diseases and metabolic disorders
- ▶ Other relevant mechanisms that connect the metabolic dysfunction and neurodegeneration (e.g., blood brain barrier disruption and neuroinflammation)
- ▶ Therapies to control the consequences of vascular risk factors (such as diabetes, hypercholesterolemia, and obesity) and prevent neurodegenerative diseases
- ▶ Animal models to study the connection between metabolic diseases and neurodegenerative diseases

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/omcl/ndpl/>.

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Friday, 21 April 2017

### **First Round of Reviews**

Friday, 14 July 2017

### **Publication Date**

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