

Special Issue on

## Oxidative Stress in Neurodegenerative and Psychiatric Disorders: From Molecular Mechanisms to Clinical Applications

CALL FOR PAPERS

Oxidative stress, mitochondrial dysfunction, and inflammation have been recognized as major features in neurodegenerative and psychiatric disorders, such as Parkinson's disease, Alzheimer's disease, Friedreich's ataxia, amyotrophic lateral sclerosis, schizophrenia, bipolar disorder, and autism. However, further investigation is still necessary for a better understanding of the mechanisms involved in the brain that lead to neurodegeneration and to perturbation of neurogenesis, which could contribute to the development of future therapies.

Antioxidant therapy is in use or in clinical trial for several diseases making clear the importance of studies on oxidative stress and mitochondrial function in neurodegenerative and psychiatric disorders.

We invite authors to submit original research and review articles that seek to refine the understanding of the role of oxidative stress, mitochondrial functions, and inflammation in the pathophysiology of neurodegenerative and psychiatric disorders and its potential in clinical practice.

Potential topics include but are not limited to the following:

- ▶ Research on the role of mitochondria and oxidative stress in the pathophysiology of neurodegenerative and psychiatric disorders
- ▶ Advances in mitochondrial dysfunction and oxidative stress implication in neurodegeneration and neurogenesis
- ▶ Progress in the role of inflammation in neurodegeneration and neurogenesis
- ▶ Recent developments in stem cell and other models of neurodegenerative and psychiatric disorders
- ▶ Development of innovative therapies using stem cells and search for new drugs

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

### Lead Guest Editor

Renata Santos, Ecole Normale Supérieure, Paris, France  
*rsantos@biologie.ens.fr*

### Guest Editors

Jean-Michel Camadro, Paris Diderot University, Paris, France  
*jean-michel.camadro@ijm.fr*

Yeni Kim, National Center for Mental Health, Seoul, Republic of Korea  
*yeni1004@gmail.com*

Maria C. Marchetto, The Salk Institute for Biological Studies, La Jolla, USA  
*marchetto@salk.edu*

### Manuscript Due

Friday, 30 December 2016

### First Round of Reviews

Friday, 24 March 2017

### Publication Date

Friday, 19 May 2017