

Special Issue on **Mitochondrial Structure, Function, and Dynamics: The Common Thread across Organs, Disease, and Aging**

CALL FOR PAPERS

Mitochondria are central to all basic and advanced cellular and organismal functions. In addition to the vast majority of cellular energy generated by these unique organelles, they are also essential signaling hubs and communicate with the rest of the cell through various means including reactive oxygen species. Their dysfunction is implicated in essentially all common diseases ranging from neuromuscular disease to diabetes and cancer.

The aim of this special issue is to provide the readership with current examples of how mitochondria function and how different adverse conditions result in their dysfunction. Therefore, we invite scientists to contribute original research as well as review articles ranging from basic science to clinical studies. Moreover, we welcome studies that focus on the role of mitochondria in various organs such as, but not limited to, the brain, heart, liver, kidney, reproductive organs, and muscle.

Potential topics include but are not limited to the following:

- ▶ Role of inflammation on mitochondrial structure, function, and/or dynamics
- ▶ Role of aging on mitochondrial structure, function, and/or dynamics
- ▶ Role of environmental pollutants/toxins on mitochondrial structure, function, and/or dynamics
- ▶ Regulation of energy metabolism and the production of reactive oxygen species
- ▶ Tissue-specific mitochondrial dysfunction across various organs
- ▶ Countermeasures to mitochondrial dysfunction resulting from a disease
- ▶ Apoptosis

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

Special Issue Editor in Chief

Moh H. Malek, Wayne State University,
Detroit, USA
en7488@wayne.edu

Guest Editors

Maik Hüttemann, Wayne State
University, Detroit, USA
mhuttema@med.wayne.edu

Icksoo Lee, Dankook University,
Yongin-si, Republic of Korea
icksoolee@dankook.ac.kr

Manuscript Due

Friday, 31 March 2017

First Round of Reviews

Friday, 23 June 2017

Publication Date

Friday, 18 August 2017