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Molecular Links Between Mitochondrial Dynamics and Neurodegenerative Diseases

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Message from the Guest Editor

Dear Colleagues,

Mitochondrial dysfunction and abnormal mitochondrial dynamics in neurons is one of the key pathogenic mechanisms in several neurodegenerative diseases. Furthermore, various evidences suggest that the imbalanced mitochondrial dynamics in neurons are linked to human neurodegenerative diseases. However, the effects and molecular mechanisms of imbalanced mitochondrial dynamics on pathogenesis of neurodegenerative disease have not yet been fully established, and due to multifaceted roles of mitochondria in neurons, many unsolved questions remain in this research field.

This Special Issue focuses on the pathological role of mitochondrial dynamics in neurodegenerative disorders including AD, PD, HD, and ALS. Moreover, contributions to this Special Issue may cover all research aspects related to the mitochondrial redox biology, mitochondrial activity, as well as molecular mechanisms of mitochondrial biogenesis in neurodegenerative diseases. Original articles, reviews, protocols and opinions covering the below key words are considered.



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Special Issue



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Message from the Editor-in-Chief

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