

## Special Issue

# Mitochondrial Genomes: Genetic and Transcriptomic Studies

### Message from the Guest Editors

Mitochondria are small double membraned-bound organelles found in almost every cell of all organisms. They are primarily responsible for energy production. The human mitochondria genome is a double-stranded circular DNA molecule, consisting of 16,569 nucleotides. Mitochondrial DNA variants have been linked to various diseases and important biological processes, such as cancer, aging, etc. Mitochondrial research is on the rise across multiple fields in the medical sciences.

Especially with the rise of high throughput sequencing, researchers now can examine mitochondria genome at unprecedented details. In this special issue, we would like to invite researchers to share their latest work on the following (but not limited to) mitochondria-related topics:

- Mitochondrial sequence analysis
- Mitochondrial mutations related to diseases or trait
- Mitochondrial mechanisms related to diseases or trait
- Mitochondrial heteroplasmy analysis
- Biotechnology aspects related mitochondria research
- Bioinformatics, statistical aspects of mitochondria research

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 January 2019)

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## Genes

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### Message from the Editor-in-Chief

*Genes* is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

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### Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan  
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