



genes



an Open Access Journal by MDPI

Mitochondrial Genomes: Genetic and Transcriptomic Studies

Guest Editors:

Prof. Dr. Yan Guo

Department of Internal Medicine,
University of New Mexico,
Albuquerque, NM 87131, USA

Dr. Sergey Ivanov

Department of Medicine,
Vanderbilt University Medical
Center, Nashville, TN 37232, USA

Deadline for manuscript
submissions:

closed (15 January 2019)

Message from the Guest Editors

Dear Colleagues,

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



mdpi.com/si/16860

Prof. Yan Guo
Dr. Sergey Ivanov
Guest Editors

Special Issue



genes



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan

Department of Pathology, The
University of Alabama at
Birmingham, 1825 University
Blvd, SHEL 814, Birmingham, AL
35294-2182, USA

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?

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, and other databases.

Journal Rank: JCR - Q2 (Genetics and Heredity) / CiteScore - Q2 (Genetics (clinical))

Contact Us

Genes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/genes
genes@mdpi.com
[X@Genes_MDPI](https://twitter.com/Genes_MDPI)