Special Issue

iPSC-Derived Model for Mitochondrial Diseases

Message from the Guest Editor

This Special Issue, entitled “iPSC-Derived Models for Mitochondrial Diseases”, aims to highlight cutting-edge research focused on the use of induced pluripotent stem cells (iPSCs) to model mitochondrial dysfunction. Mitochondrial diseases present significant challenges due to their complexity and lack of effective treatments. iPSC-derived models offer a unique platform to study these disorders at the cellular level, providing insights into the underlying mechanisms of mitochondrial dysfunction and facilitating drug screening for potential therapies. This Special Issue welcomes the submission of original research and reviews that explore novel iPSC-based models, experimental techniques, and therapeutic applications targeting mitochondrial diseases. We hope that this collection will contribute to advancing our understanding of mitochondrial biology and accelerate the development of innovative treatments.

Guest Editor

Dr. Kristina Xiao Liang
Department of Clinical Medicine (K1), University of Bergen, Bergen, Norway

Deadline for manuscript submissions

closed (31 May 2025)

Biomolecules

an Open Access Journal by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/219956

Biomolecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomolecules@mdpi.com

mdpi.com/journal/biomolecules

Biomolecules

an Open Access Journal by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed

mdpi.com/journal/biomolecules

About the Journal

Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

Editors-in-Chief

Prof. Dr. Peter E. Nielsen
Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan
Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

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, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Biochemistry)

MDPI