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Cellular Processes of Energy Transduction in Physiological and Pathological Conditions

Guest Editors:

Prof. Dr. Maria Pina Mollica

Department of Biology, University
of Naples Federico II, 80126
Naples, Italy

Prof. Marianna Crispino

Department of Biology,
Università degli Studi di Napoli
Federico II, Naples, Italy

Deadline for manuscript
submissions:

closed (31 July 2021)

Message from the Guest Editors

Dear Colleagues,

In physiological conditions, cell energy homeostasis is tightly controlled by the contribution of different metabolic tissues. Energy homeostasis is maintained in response to energy challenges such as diet, exercise or body weight changes. The decline in cellular energy processes is observed in physiological aging and in diseases. From this point of view, a crucial role is played by mitochondria that provide ATP for the cells but are also involved in several metabolic pathways, apoptosis, and programmed cell death, as well as in the synthesis of key molecules related to inflammation and oxidative stress. This Special Issue of *Cells* is dedicated to illustrating all the cellular and molecular events controlling energy homeostasis in different tissues and organs in response to energy challenges such as diet, exercise, body weight changes and aging process, but also underlying the decline in energy processes associated to non-communicable diseases. We are looking forward to your contributions to this Special Issue.



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Special Issue



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6-145 Jackson Hall, 321 Church St
SE, Minneapolis, MN 55455, USA

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Biotech Research & Innovation
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Copenhagen, Copenhagen,
Denmark

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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Cells Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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