Special Issue

Cancer-Induced Cachexia

Message from the Guest Editor

Cachexia is a complex multifactorial syndrome primarily characterized by a loss of muscle strength and mass and is a common sequela to cancer. Cachexia is associated with a highly inflammatory environment and is often evidenced in patients whose primary disease state involves an inflammatory component. The development of a cachectic state in cancer patients is highly correlated with a decrease in quality of life, tumor resurgence, heart failure, and the development of resistance to chemotherapeutic agents. Additionally, it has been demonstrated that cachexia leads to functional inactivation of myogenic progenitors, such as satellite cells, thereby inhibiting the repair process. The prognosis for patients exhibiting cachexia remains poor, in part due to a lack of available interventions This Special Issue focuses on understanding the mechanisms of induction of cachexia including muscle and cardiac cachexia by cancer, and the therapeutic approach in the field of cachexia, including basic, preclinical, clinical studies, and the replication of current technologies for diagnosis of cachexia.

Guest Editor

Prof. Dr. Sham S. Kakar

Department of Physiology, Department of Biochemistry and Molecular Genetics, Brown Cancer Center, University of Louisville, Louisville, KY 40202, USA

Deadline for manuscript submissions

closed (20 August 2022)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/90802

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

mdpi.com/journal/cells

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/journal/cells

About the Journal

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.

Editors-in-Chief

Dr. Alexander E. Kalyuzhny
Dental Basic Sciences, University of Minnesota, 308 Harvard St. SE, Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch
Biotech Research & Innovation Centre, The University of Copenhagen, Copenhagen, Denmark

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Cell Biology) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).