Special Issue

Hyaluronic Acid in Tissue Inflammation and Regeneration

Message from the Guest Editors

Hyaluronic acid (HA) is a large glycosaminoglycan that regulates physiological processes in most tissues. HA is a biocompatible, biodegradable, and hydrophilic macromolecule. The discovery of the HA composite's biological roles has led to the promotion of new investigations and clinical interest in several fields, such as medicine, ophthalmology, articular pathologies, cutaneous repair, skin remodeling, vascular prosthesis, tissue engineering, and nerve reconstruction. It has been widely reported that HA and HA receptors are involved in a wide range of physiological and pathological functions and are key mediators during inflammation, healing processes, and tissue regeneration. Finally, the use of HA-based biomaterials in drug delivery systems has recently increased due to the great targeting capability of this polysaccharide on its receptor complex on cell membranes. This Special Issue aims to present a collection of research achievements regarding hyaluronic acid and its use for regenerative medicine and pharmaceutical purposes.

Guest Editors

Prof. Dr. Amelia Cataldi

Department of Pharmacy, University "G. d'Annunzio" Chieti-Pescara, Via dei Vestini 31, 66100 Chieti, Italy

Dr. Marialucia Gallorini

Department of Pharmacy, University "G. d'Annunzio" Chieti-Pescara, Via dei Vestini 31, 66100 Chieti, Italy

Deadline for manuscript submissions

closed (30 September 2021)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/66865

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

MDPI

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).