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Hyaluronic Acid in Tissue Inflammation and Regeneration

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Deadline for manuscript submissions:
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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.

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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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