

Special Issue

Hyaluronic Acid for Biomedical Applications

Message from the Guest Editors

Hyaluronic acid (HA), a non-immunogenic polysaccharide, is found in most connective tissues throughout the body and clinically used for over three decades. The unique viscoelastic behavior and hydrodynamic property of this ubiquitous macromolecule contribute to its extensive use as a biomaterial. HA can be chemically modified using pendant reactive groups to make it more useful or to transform it into the appropriate physical forms such as hydrogels, fibers, meshes, sponges, and nanoparticulate fluids for target applications.

This special issue will cover the recent advances in HA-based materials rationally designed for biomedical applications including but not limited to drug delivery, tissue engineering, and cosmetic uses.

Keywords

- hyaluronan
- biomaterial
- hydrogel
- drug delivery system
- tissue engineering
- regenerative medicine

Guest Editors

Prof. Dr. Jae Hyung Park

School of Chemical Engineering, Samsung Advanced Institute for Health Sciences and Technology, Sungkyunkwan University, Suwon 16419, Republic of Korea

Dr. Seunglee Kwon

School of Chemical Engineering, Sungkyunkwan University, Suwon 16419, Korea

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Prof. Dr. Patrick J. Sinko
Department of Pharmaceutics, Ernest Mario School of Pharmacy,
Rutgers University, Piscataway, NJ 08854, USA

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