

## Special Issue

# Potential Application of Cell Sheets, for Tissue Engineering and Repairing Tissue

### Message from the Guest Editor

Cell and gene therapy technologies have been developing tremendously in the past decade, in order to treat numerous diseases. Initial cells therapies were based on the injection of isolated cells (stem or progenitor stem cells), with more limited success. Indeed, cells, injected in the organism, can migrate in any organ, and they have a lower probability of surviving. The recent development of cell sheets allows directly targeting the cells on the damaged tissue, and to increasing the survival of the cells. It allows an easy harvesting of the cell sheets, engineered with different types of stem cells. Cell sheets are already being used to treat cornea, oesophagus, skin, liver, heart, blood vessel, bladder and other organs. Combinations of different types of cell sheets increase the potential of medical applications. This Special Issue will host reviews and articles from any scientist who has been studying the engineering of cell sheets. Topics of interest include but are not limited to all potential medical applications of cell sheets, but also other uses, such as vitrification, transport, their production, etc.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 April 2021)



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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