

Special Issue

Mesenchymal Stem Cells and Their Therapeutic Applications

Message from the Guest Editor

For the past two decades, the scientific and medical communities have focused on mesenchymal stem cells (MSCs) and their potential in treating diseases. MSCs are very promising for regenerating tissue through their differentiation potential (myoblast, epithelial cells, neurons, beta cells), decreasing inflammatory reaction, being used as anticancer therapies, and for delivering compounds to targeted organs (nucleic acids, exogenous or endogenous proteins, drugs). MSCs can be injected, transplanted or the injection of vesicles produced by the MSCs. Improvement of their therapeutical properties still needs a lot of effort to decrease the variability among studies and to increase the positive outcomes. This Special Issue will accept for submission original research articles, reviews, and methods from leading scientists and clinicians around the world who are studying and developing MSC-based therapy. Topics of interest include therapeutic applications of MSCs, and more specifically cell/gene therapy, exosomes and extracellular vesicles, mechanism of action, bioprinting, GMP manufacturing, and regulatory guidelines.

Guest Editor

Dr. Joan Oliva

Department of Clinical Research, Emmaus Medical, Inc., Torrance, CA 90503, USA

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
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Editor-in-Chief

Prof. Dr. Pier Paolo Claudio

Department of Pharmacology and Toxicology, Cancer Center and
Research Institute, University of Mississippi Medical Center, Jackson,
MS 39216, USA

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