

Special Issue

Recent Advances in Adult Stem Cell Research

Message from the Guest Editor

Tissue-resident stem cells are multipotent cells found in a wide variety of fetal and adult tissues capable of differentiating into various lineages and are critical for their own tissue maintenance and function. Since their discovery, tissue-resident stem cells have been shown to possess remarkable potential for therapeutic applications, which is reflected by a rapid increase in clinical trials targeting stem cells for the treatment of a broad spectrum of diseases. However, much has remained unknown about adult stem cell biology, and challenges remain in their tissue regulatory mechanism and functional changes in aging. We welcome manuscripts of any article type investigating the stem cell-mediated homeostatic or repair mechanisms of multiple tissues damaged by trauma, such as bone/bone marrow, muscle, cartilage, and skin. In addition, we welcome original research investigating the importance of the communication between the physical microenvironment and stem cells in the application of tissue regeneration and repair strategies.

Guest Editor

Dr. Dongsu Park

Molecular and Human Genetics, Baylor College of Medicine, Houston, TX, USA

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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