



cells



Special Issue Reprint

Enhancing Mesenchymal Stem Cells (MSCs) for Therapeutic Purposes

www.mdpi.com/books/reprint/5952

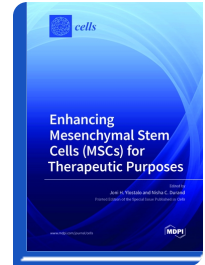
Edited by

Joni H. Ylostalo

Nisha C. Durand

ISBN 978-3-0365-4996-5 (Hardback)

ISBN 978-3-0365-4995-8 (PDF)



The regenerative and immunomodulatory properties of mesenchymal stem cells (MSCs) have made these cells the focus of multiple pre-clinical studies and clinical trials. While the results from these clinical studies have established that MSCs are safe, the efficacy of these cells is not as well-established. In this regard, there have been increased efforts towards generating potentiated/activated MSCs with enhanced therapeutic efficacy. Research on the mechanisms for enhancing MSC potency and efficacy is an area of active study with great potential for translation into clinical settings. The purpose of this book is to bring together recent research from a broad range of topics relating to potentiation strategies for enhancing MSC therapeutic efficacy, including growth factor pre-conditioning, hypoxia, and 3D culture. The research compiled in this book increases the basic understanding of MSC culture techniques and describes some MSC preparations for potential novel therapeutic applications.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/5952

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.