

Tissue Engineering

FEATURED ARTICLES

Tissue Engineering is the preeminent, biomedical journal advancing the field with cutting-edge research and applications on all aspects of tissue growth and regeneration. Advance your research with these featured articles published in the latest issue:

Tissue Engineering, Part A:

[Amniotic Fluid-Derived Stem Cells as a Cell Source for Bone Tissue Engineering](#)

M.T. Rodrigues, S.J. Lee, M.E. Gomes, R.L. Reis, A. Atala, and J.J. Yoo

This study was designed to originally compare the osteogenic potential of both BMSCs and AFSCs under distinct culture environments to determine whether the osteogenic differentiation process of both types of stem cells is related to the origin of the cells.

Tissue Engineering, Part B, Reviews:

[Cytoskeletal and Focal Adhesion Influences on Mesenchymal Stem Cell Shape, Mechanical Properties, and Differentiation Down Osteogenic, Adipogenic, and Chondrogenic Pathways](#)

P.S. Mathieu and E.G. Lobo

This review analyzes the significant contribution of actin and integrin distribution, and the smaller role of microtubules, in regulating MSC fate.

Tissue Engineering, Part C, Methods:

[Charged Nanomatrices as Efficient Platforms for Modulating Cell Adhesion and Shape](#)

J. Kim, D.-H. Kim, K.T. Lim, H. Seonwoo, S.H. Park, Y.-R. Kim, Y. Kim, Y.-H. Choung, P.-H. Choung, and J.H. Chung

This article describes the design and manipulation of charged nanomatrices and their application as efficient platforms for modulating cell behaviors.

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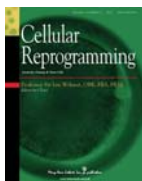
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