

Special Issue

Cell Sheet Engineering for Stem Cell Delivery and Tissue Modeling

Message from the Guest Editor

Cell sheet engineering has become a popular approach in the last couple of decades, mainly because of the obvious need for the better delivery of stem cells that undergo cell death after delivery by injection. However, recent advances in this field have expanded our understanding of the cells' biology within these multilayered constructs enriched by native extracellular matrix. At the moment, we believe that cell sheet engineering has gone far beyond an approach for the delivery of stem cells to treat disease, and has laid ground for next-level tissue modeling for both applied and basic research. The Special Issue's scope is focused on the cell sheets from different types of cells, their properties, and applications, and will give favor to new applications in tissue modeling and basic research regarding mechanisms of morphogenesis, regeneration, or cellular self-organization. However, potential contributions are not limited to the above-mentioned, and communications on decellularized materials from cell sheets or the application of cell sheet-derived secretome or vesicles will be considered.

Guest Editor

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