

Special Issue

Intercommunication between Immune Cells and Mesenchymal Stem Cells in Regenerative Medicine

Message from the Guest Editor

In regenerative medicine, mesenchymal stem cells are known to alleviate inflammatory responses by regulating the activity of various inflammatory cells. It is reported that mesenchymal stem cells regulate inflammatory responses by expressing IDO, PGE2, HGF, TSG-6, etc., but their expression is significantly induced when mesenchymal stem cells are exposed to inflammatory cells or an inflammatory microenvironment. Therefore, understanding the mutual communication between mesenchymal stem cells and immune cells or between mesenchymal stem cells and cytokines is very helpful in understanding the mechanism of action of mesenchymal stem cells in regenerative medicine.

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