



Advances in Cell Transplantation 2019

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Cell Transplantation has emerged as a promising field, based on progress in cell and molecular biology, allowing isolation, characterization, expansion, and engineering of cells as potential therapeutic tools. The field of Cell Transplantation is now entering a new phase of growth, propelled by better understanding of the therapeutic mechanisms of action, novel applications in oncology as well as by upgraded technology for cell isolation, expansion and delivery under GMP conditions. Recent advances in gene therapy also open the fascinating possibility to cure genetic diseases by cell replacement with genetically corrected autologous precursor cells.

This Special Issue will cover the whole pathway, translating scientific advances into therapeutic interventions, including in vitro and in vivo studies on mechanisms of action, animal models of target diseases, GMP production, and clinical trials. Contributions covering the links between cell therapy and gene therapy are particularly welcome.

Assoc. Prof. Dr. Maurizio Muraca
Guest Editor





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Message from the Editor-in-Chief

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