

Special Issue

Immune Regulations in Transplant

Message from the Guest Editor

Transplant medicine is one of the most challenging and complex areas of modern medicine. The body develops an immune response to the transplant. The immune system has both innate and adaptive components. The innate component of the immune system generates when the body recognizes certain foreign, non-self molecules, which includes an inflammatory response and phagocytosis. Adaptive or acquired immunity is some active component produced by the host after immune response, mediated by antigen-specific lymphocytes. The advance in the knowledge of both soluble and cellular adaptive and acquired components of the immune response in the last two decades is outstanding. Their involvement in the regulation of immune response in general and in the alloimmune response in transplantation has also exploded.

This Special Issue focuses on the mechanisms of immune regulation during transplantation, from the molecular to the cellular level, which may provide new therapeutic avenues for the development of transplant rejection. We encourage authors to submit original articles, reviews and short communications related to this research topic.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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