

Special Issue

Beyond Checkpoints--the HLA System and other New Targets

Message from the Guest Editor

Dear colleagues, Immuno-oncology is of fast-growing importance in the wake of the Nobel Prizes awarded in the field of checkpoint/checkpoint-inhibitor therapy. However, although these therapy options have proved useful, they represent only a very minor part of immunological control and of possible therapeutic applications. The dominating cellular identification and communication system in humans is the HLA (Human Leukocyte Antigen) system, which represents class I and class II of the MHC and even, partially, class III. Therefore, this dominant system is worthy of investigation with respect to regulation of implantation/pregnancy and, in particular, to immunoregulation of carcinogenesis. Certain groups in the HLA system, especially the non-classical group HLA-G (class Ib) with its seven isoforms, are well documented to play an important role in manipulation of the immune system by malignant tumors. However, there are also other aspects; for example, changing expression of the classical HLA groups I and class II, or the role of other non-classical HLA groups such as HLA-E or HLA-F.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Cancers (ISSN 2072-6694) is an international, online journal addressing both clinical and basic science issues related to cancer research. The journal will continue its open access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

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