Special Issue

CAR T\(\text{Cell Immunotherapy-the Living Drugs for Lethal Diseases}\)

Message from the Guest Editors

Chimeric Antigen Receptor (CAR) expressed in autologous T cells targeting B\(\text{Slymphocyte antigen CD19}\) has been successful scaled to clinical setting for relapsed/refractory B cell acute lymphoblastic leukemia (B\(ALL \) and diffuse B cell lymphoma (DBCL). Tisagenlleclucel (Kymriah) and Axicabtagene ciloleucel (Yescarta) have been the first "living drugs". However, other CAR expressed on different effector cells targeting tumor specific antigens are being faster developed for other malignancies and catastrophic diseases. In this current perspective, it has revalued the immunotherapy as a hopeful treatment based on specific cell recognition and activation. The aim of this Special Issue is to provide an overview of the CAR cell field biology from the basic and translational development to the manufacturing and clinical impact and future challenges. We hope that the reports presented by basic and clinical researchers will be a valuable for continous improvement for the community of researchers and physicians investigating on CAR cells in different diseases and aims and objectives.

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Deadline for manuscript submissions

closed (28 February 2022)



Cells

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Impact Factor 5.2 CiteScore 10.5 Indexed in PubMed



mdpi.com/si/60052

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About the Journal

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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. Cells encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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