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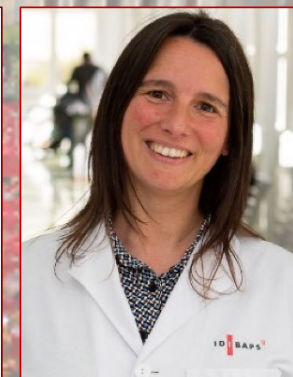
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CIBERehd UNIVERSIDAD DE NAVARRA (CB06/04/0006) 2021-22 ONLINE SEMINARS

CAR-T cell therapy: current challenges and opportunities

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24th January 2022



16:00-17:00 (CET)

[Zoom link](#)

(ID: 934 4003 4643)

Adoptive transfer of T-cells collected from patient's blood and engineered to express chimeric antigen receptors (CARs) has produced unprecedented clinical responses in patients with cancer. Five CAR-T cell therapies have been FDA-approved since 2017 for the treatment of leukaemia and lymphoma, marking a new era in oncology. However, despite the stunning results of CAR-T cells for the treatment of B-cell malignancies, several challenges remain for successfully applying CAR-T cells to solid tumors and other hematologic malignancies. In order to enhance the therapeutic outcome of CAR-T cells it is important to design strategies to enhance T cell fitness, avoid tumor escape and control toxicities. In this seminar, we will discuss some of the major hurdles preventing CAR-T cell efficacy and present next-generation therapies designed to improve the therapeutic outcome of CAR-T cells.

Links: [ORCID](#)