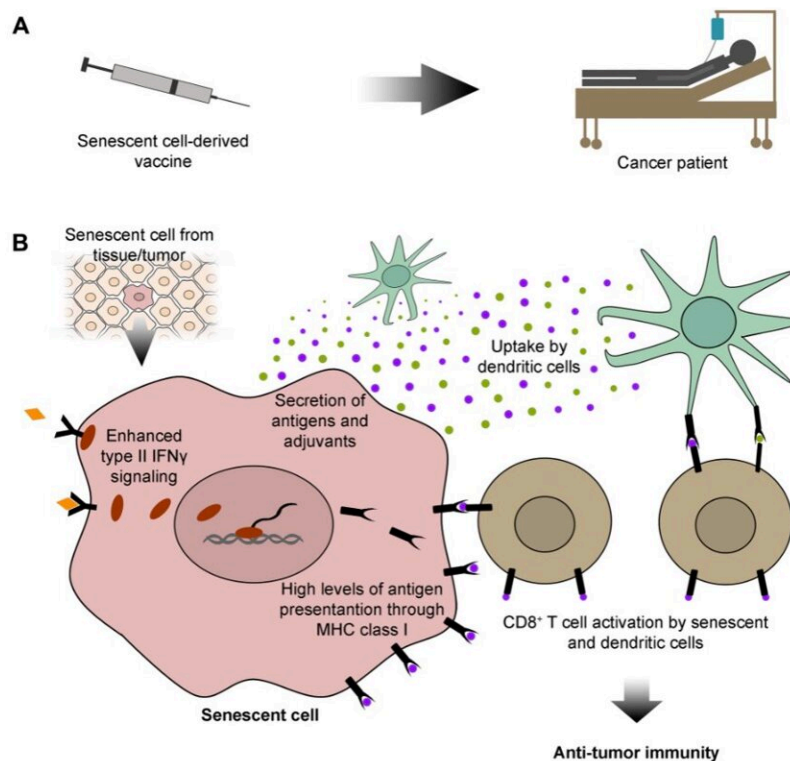


Review explores potential of senescent cell-derived vaccines for cancer and aging

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Senescent cell-derived vaccines: sources of specific antigens for cancer immunotherapy. Credit: *Aging* (2024). DOI: 10.18632/aging.205975

A new review paper titled "Senescent cell-derived vaccines: a new concept towards an immune response against cancer and aging?" has been [published](#) in *Aging*.

Two recent seminal works have untangled the intricate role of tumor-associated senescent cells in cancer progression or regression by guiding our immune system against [cancer cells](#). The characterization of these unique yet diverse cell populations should be considered, particularly when contemplating the use of senolytics, which are drugs that selectively eliminate senescent cells, in a cancer framework.

In this new review, researchers João Pessoa, Sandrina Nóbrega-Pereira, and Bruno Bernardes de Jesus from the University of Aveiro describe the current knowledge in this field.

The researchers write, "In particular, we will discuss how the presence of [senescent cells](#) in tumors could be used as a therapeutic target in immunogenic cancers and how we may hypothetically design an adaptive anti-aging vaccine."

More information: João Pessoa et al, Senescent cell-derived vaccines: a new concept towards an immune response against cancer and aging?, *Aging* (2024). [DOI: 10.18632/aging.205975](https://doi.org/10.18632/aging.205975)

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