

Outcome of the IHI JU Science and Innovation Panel on ideas submitted for potential IHI topics

Reference number of the idea: N° TI_001203

Anti-Aging Vaccine Development

Overall opinion

The idea is described very globally and quite superficially. “Senescent cells” are described as a single entity without any differentiation with regard to type of cell or degree of senescence. The submitters imply that by provoking an immune reaction to peptides that are “markers of senescence” these cells can be eliminated. They presume that this “cleaning away” would stop or even reverse both physiological aging and premature aging due to viruses or cytotoxic drugs, and this would heal or prevent a large number of diseases. This is a very simplified view of the complex processes of aging and pathogenesis. At this stage, the currently formulated idea is not yet mature for obtaining a favourable opinion from the SIP.