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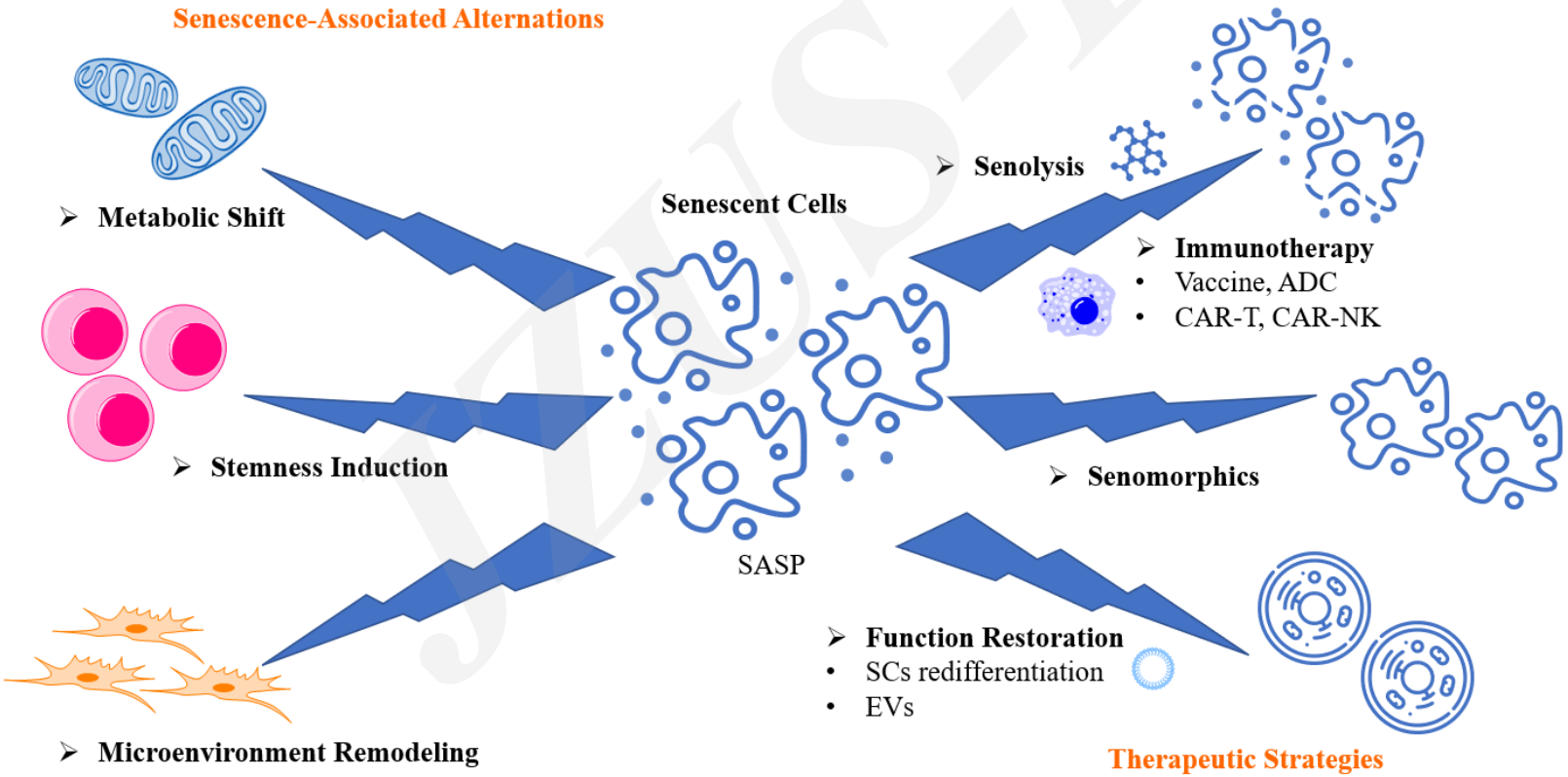
Multiple characteristic alterations and available therapeutic strategies of cellular senescence

Key words:

Senescence; Metabolism; Stemness; Microenvironment; Senolytic; Immune surveillance

Research Summary

This review mainly focused on the characteristic changes associated with cellular senescence and currently available countermeasures.



Innovation points

A series of comprehensive tables were generated to summarize the latest knowledge of cellular senescence and available therapeutic strategies.

Table 1 | Senescence-associated metabolic shifts are both therapeutic challenges and opportunities.

Table 2 | The unanticipated consequences of immunosurveillance and the potential immune escape mechanisms of SnCs.

Table 3 | Existing senolytics and their potential side effects.

Table 4 | Targeting metabolic shifts for senolysis.

Table 5 | Strategies for developing senomorphics.

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