



「Realization of innovative medical systems that extend healthy lifespan to 100 years old by eliminating tissue inflammation-inducing cells」

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Outline of R&D Project

This research project aims to develop innovative technologies that eliminate senescent cells (senolysis) which cause tissue microinflammation as a common pathogenesis of aging and age-associated disorders. Thereby, we will establish medical systems for the extension of healthy lifespan through which various age-associated tissue dysfunctions and disorders will be dramatically improved. In addition, we will also develop technologies that measure senility and establish medical networks that can be easily accessed by everyone and everywhere.



Expected Breakthroughs by 2040

- Development of senolytic technologies for aged people
- Increase the QOL of aged people by prevention of aging, muscle force, and improvement of tissue dysfunction
- Establishment of preventive methods against various age-associated disorders and anti-aging medicine
- Development of measuring technologies for senility and establishment of easily accessible medical network

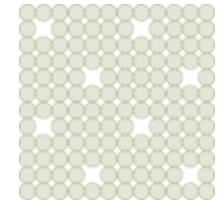
Accumulation of senescent cells



Excess inflammation

- Tissue dysfunction
- Acceleration of aging
- Onset of age-associated disorders

Elimination of senescent cells



Suppression of inflammation

- Improvement of tissue dysfunction
- Rejuvenation
- Prevention and improvement of age-associated disorders