



## 4<sup>th</sup> International Conference in Prophetic Medicine Research

DOI 10.14293/ICPMR.2020.550

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# Senolysis of Cancer Cells by Natural Products is One of Senescence Bright Faces: Future Plan

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### Abstract

Cellular senescence, aging, is a process of physiological growth arrest, which can be induced by intrinsic or extrinsic stress signals. Aging is a risk factor for many diseases such as cardiovascular disease, dementia, osteoporosis, osteoarthritis, cancer and type 2 diabetes. Senescence is characterized cell growth arrest, increased accumulation of senescence-associated- $\beta$ -galactosidase (SA- $\beta$ -gal), and upregulation of p53, P-p53, and p21 proteins. Senescence of the cancer cells is considered as a new tool for cancer eradication through inhibition of cell proliferation. Moreover, we suggest using natural product to induce extensive apoptosis of senescent cancer cells.

