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***In memoriam* Olivier Toussaint – Stress-induced premature senescence and the role of DNA damage**

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Highlights: [I don't know what it means in this context]

Abstract

In the present paper, a concise review on the major contribution of our recently deceased colleague, Dr Olivier Toussaint, to the topic of stress-induced premature senescence (SIPS) of cells is presented together with a hypothesis on a mechanistic role of DNA damage, based on accumulating evidence for an important role of DNA damage as a driving factor in ageing.

Keywords

Stress-induced premature senescence (SIPS); oxidative stress; signalling; transcriptomics; proteomics; DNA damage; DNA repair

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