

Wednesday, 3<sup>rd</sup> March, 9.30am, Online

*Host: Prof. Luis M. Liz-Marzán*

## **Cellular senescence, the Achilles heel of ageing and disease**

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We are living longer than at any time in human history, but this victory of public health is accompanied by an unfortunate side-effect: a new epidemic of chronic, age-associated diseases for which cures remain elusive. Increasing evidence suggest that senescent cells accumulate in chronologically aged skin, contributing to age-related skin pathology and negatively impacting the regenerative response of the tissue. I want to combat age-onset skin disease by targeting its main molecular mechanism: cellular senescence.

Join me to discuss the main effects of the senescent phenotype, the current state of senolytic therapies and the future areas of ageing research.