

D-MEM OPENING CEREMONY



Fabrizio d'Adda di Fagagna

IFOM ETS - The AIRC Institute of Molecular Oncology,
Milan

IGM, Institute of Molecular Genetics - CNR, Pavia

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Aula G10, via Golgi

TELOMERE BIOLOGY IN AGING AND CANCER

Cell aging, also known as cellular senescence, was first demonstrated to be caused by telomere shortening and dysfunction. It is now well established that short and damaged telomeres are associated, often in a causative manner, with several age-related severe human diseases and aging itself. Telomere damage is also associated with some cancers.

We will discuss an innovative approach, presently in preclinical development, effective in a variety of animal models of accelerated aging, age-related disorders and cancers to determine the role of telomere biology in these settings.

