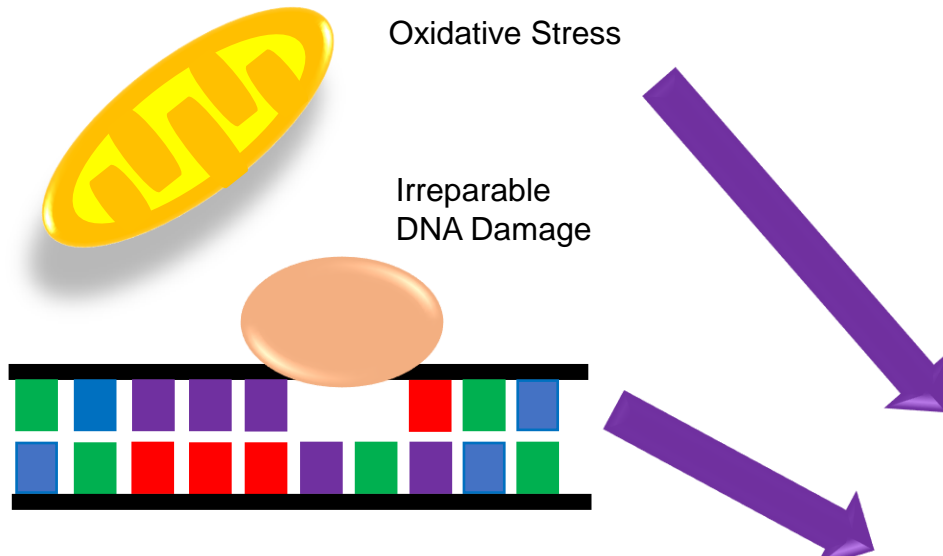
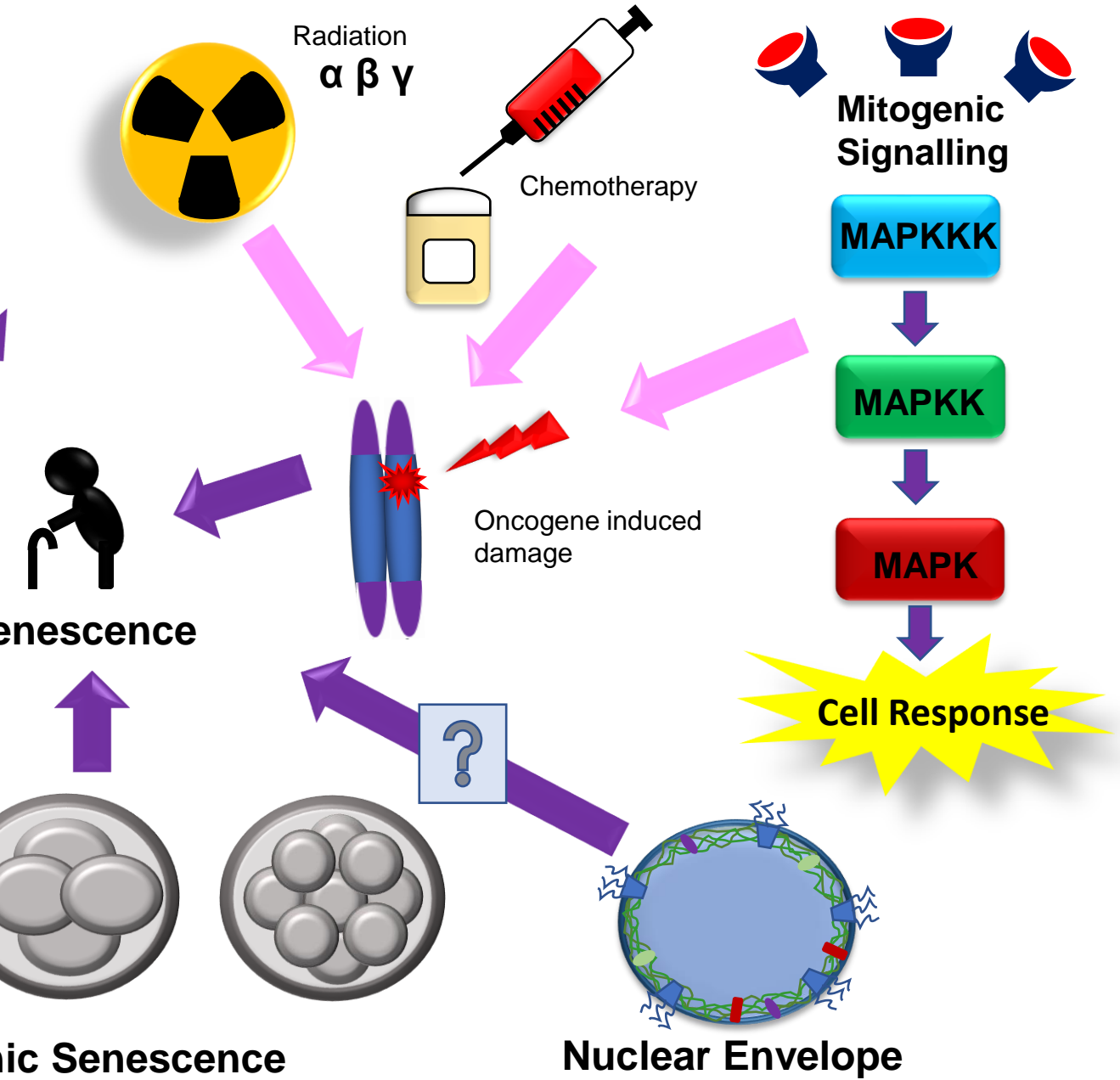


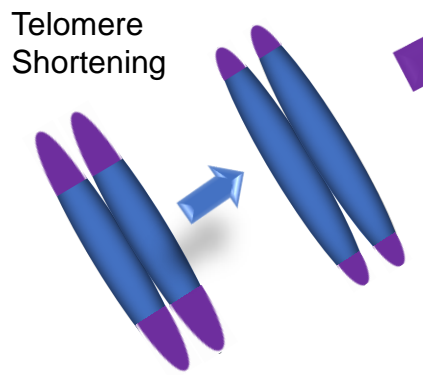
Genomic Stress-Induced Senescence



Oncogene-Induced Senescence



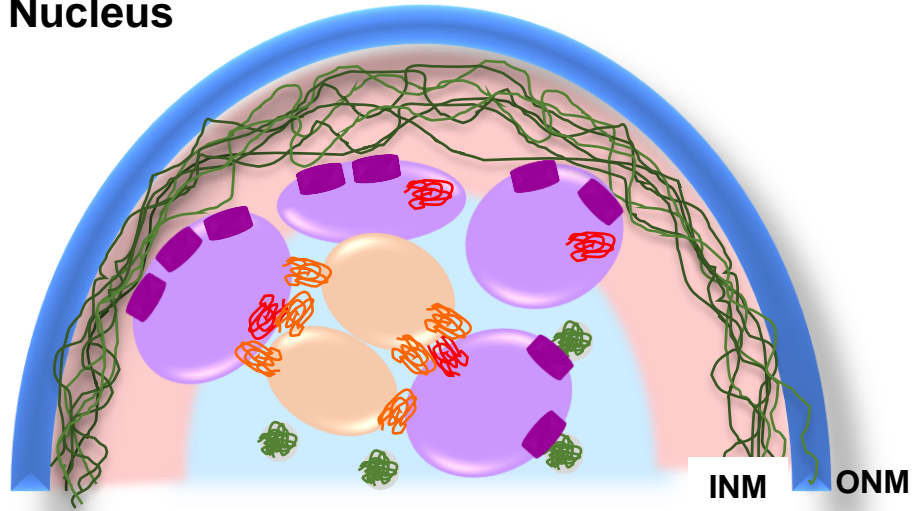
Replicative Senescence



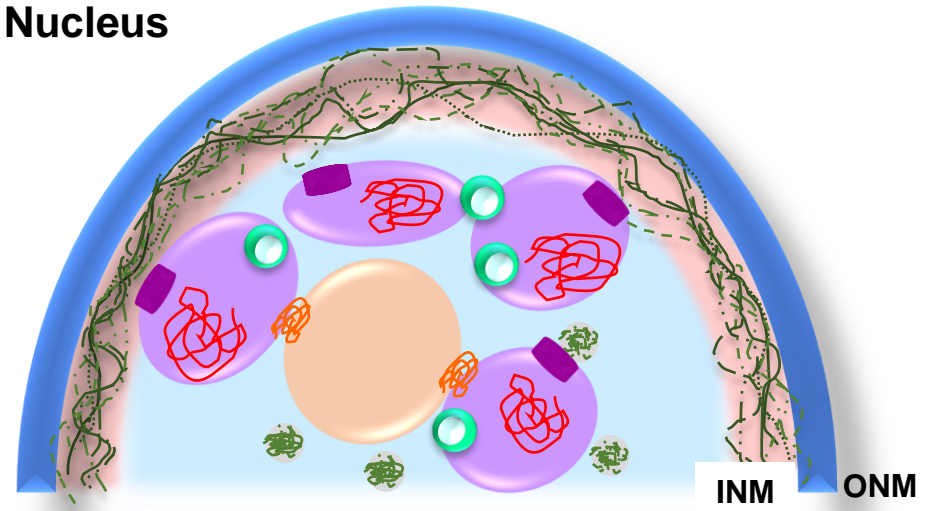
Embryonic Senescence

Nuclear Envelope

Proliferating/Young Nucleus



Senescent Nucleus



Key:



Chromosome territory



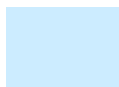
Nucleolus



Senescence-associated distension of satellites (SADs)



Generally transcriptionally silent region associated with heterochromatin



Generally transcriptional active region associated with euchromatin

INM – Inner nuclear membrane
ONM – Outer nuclear membrane



Nuclear lamina



Lamina-associated domains (LADs)



Satellite



Intranuclear lamin speckles



Nucleolus-associated domains (LADs)



Senescence-associated heterochromatin foci (SAHF)
Outer layer H3K27me3
Inner layer H3K9me3